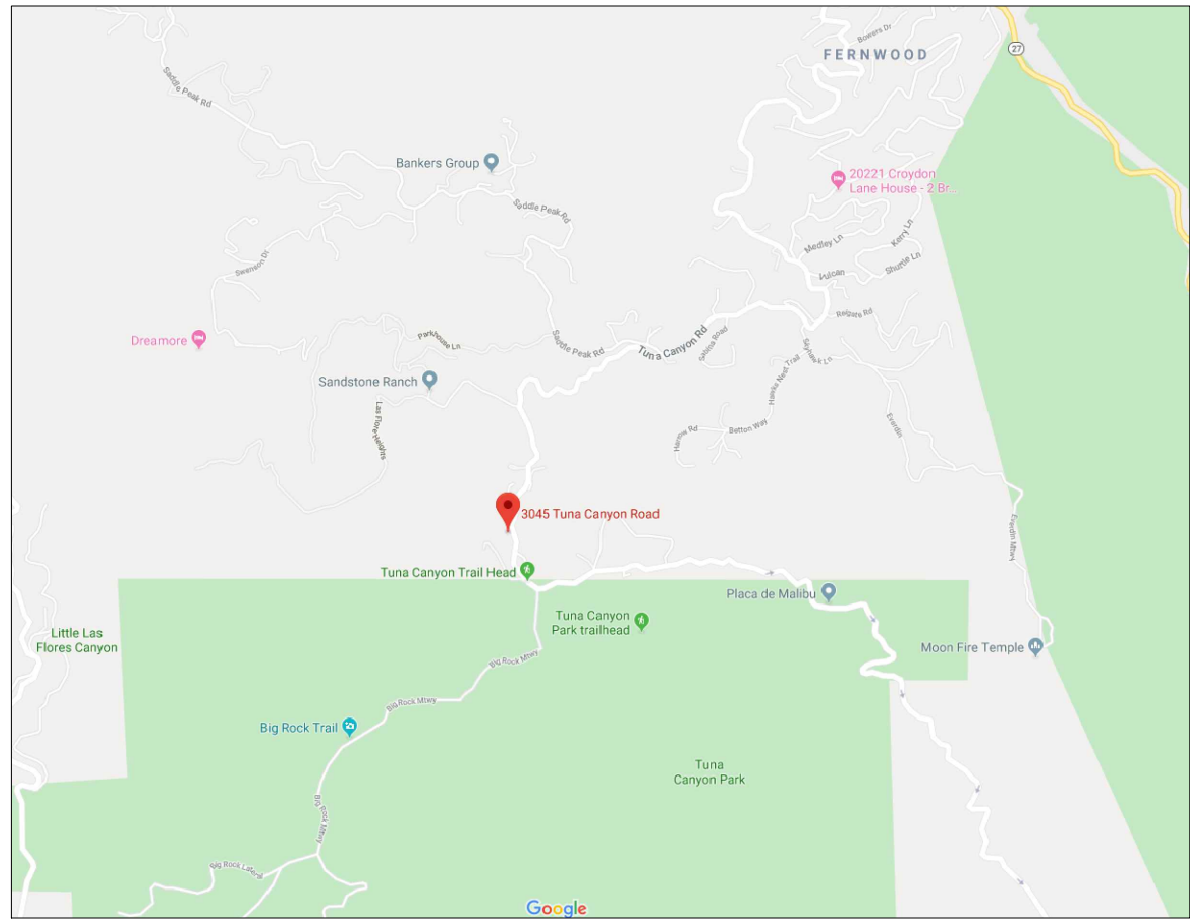


# HERZIG-GOLD RESIDENCE: GRADING, DRAINAGE, & EC PLANS



**PROJECT LOCATION**  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

**LEGAL DESCRIPTION**  
ASSESSOR ID #: 4448-007-067

**PROJECT INFORMATION**  
ZONING: R-C-20  
LOT SIZE: 163,981 SQ.FT.  
EXISTING ROOF IMPERMEABLE: 1,917 SQ.FT.  
PROPOSED ROOF IMPERMEABLE: 4,261.9 SQ.FT.  
FLOOD ZONE: D  
CONSTRUCTION TYPE: V-B

**OWNER**  
LEIGH HERZIG  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

**PROJECT ARCHITECT**  
ANINA BACH DESIGN  
100 S. KILKEA DRIVE  
LOS ANGELES, CA 90048  
310.382.7358

**CIVIL ENGINEER**  
JAMES TUCHSCHER, P.E.  
TEG, INC.  
5318 E. 2ND ST, #539  
LONG BEACH, CA 90803  
310.613.9980

**SURVEYOR**  
JOHN JAHANPOUR-BURKE  
H.J. BURKE, INC.  
4079 N. RANCHO DRIVE, #150  
LAS VEGAS, NV 89130  
310.633.1213

**GEOTECHNICAL ENGINEER**  
FEFFER GEOLOGICAL CONSULTING  
1990 S. BUNDY DR., # 400  
LOS ANGELES, CA 90025  
310.207.5048

GRADING SUMMARY					SHEET	DESCRIPTION
	WITHIN FOOTPRINT	OUTSIDE OF FOOTPRINT	REMOVE AND RECOMPACT	TOTAL	C-1.0	TITLE SHEET
CUT	10 CU.YD.	329 CU.YD.	0 CU.YD.	339 CU.YD.	C-1.1	GENERAL NOTES
FILL	15 CU.YD.	43 CU.YD.	0 CU.YD.	58 CU.YD.	C-2.0	EXISTING SITE PLAN
			TOTAL	397 CU.YD.	C-3.0	GRADING PLAN
			281 CU.YD.	EXPORT	C-4.0	DRAINAGE PLAN
					C-5.0	GRADING SECTIONS
					C-5.1	GRADING SECTIONS
					C-6.0	DRAINAGE DETAILS
					EC-1.0	EROSION CONTROL & STORMWATER POLLUTION PREVENTION PLAN
					EC-2.0	EROSION CONTROL DETAILS
					EC-3.0	EROSION CONTROL DETAILS
					EC-4.0	EROSION CONTROL DETAILS

VICINITY MAP	1	PROJECT DATA	2	PROJECT DIRECTORY	3	GRADING INFORMATION	4	SHEET INDEX	5
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## PROJECT GENERAL NOTES

- PROPOSED STARTING DATE: \_\_\_\_\_  
PROPOSED COMPLETION DATE: \_\_\_\_\_
- THIS PLANS CONFORMS TO THE COASTAL DEVELOPMENT PERMIT APPROVED BY THE CITY FOR 3045 TUNA CANYON ROAD.
- EXPORTED SOIL FROM A SITE SHALL BE TAKEN TO THE COUNTY LANDFILL OR TO A SITE WITH AN ACTIVE GRADING PERMIT AND THE ABILITY TO ACCEPT THE MATERIAL IN COMPLIANCE WITH THE CITY'S LOCAL IMPLEMENTATION PLAN (LIP).

## DESIGN ENGINEER STATEMENT

I HEREBY VERIFY THAT THIS GRADING PLAN WAS PREPARED UNDER MY SUPERVISION IN ACCORDANCE WITH SECTION 3318.1 OF THE MALIBU BUILDING CODE. ALL SOILS ENGINEER AND ENGINEERING GEOLOGY RECOMMENDATIONS WERE INCORPORATED IN THE PLAN.

DESIGN ENGINEER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## GEOTECHNICAL & GEOLOGICAL REPORT SUMMARY

GEOTECHNICAL INVESTIGATION REPORT, FILE NO. 2291-94, DATED JULY 22, 2019.

## GENERAL GEOTECHNICAL NOTES

- ALL WORK MUST BE IN COMPLIANCE WITH THE RECOMMENDATIONS INCLUDED IN THE GEOTECHNICAL CONSULTANT'S REPORT(S) AND THE APPROVED GRADING PLANS AND SPECIFICATIONS.
- GRADING OPERATIONS MUST BE CONDUCTED UNDER PERIODIC INSPECTIONS BY THE GEOTECHNICAL CONSULTANTS WITH MONTHLY INSPECTION REPORTS TO BE SUBMITTED TO THE GEOLOGY AND SOILS SECTION.
- THE SOIL ENGINEER SHALL PROVIDE SUFFICIENT INSPECTIONS DURING THE PREPARATION OF THE NATURAL GROUND AND THE PLACEMENT AND COMPACTION OF THE FILL TO BE SATISFIED THAT THE WORK IS BEING PERFORMED IN ACCORDANCE WITH THE PLAN AND APPLICABLE CODE REQUIREMENTS.
- ROUGH GRADING MUST BE APPROVED BY A FINAL ENGINEERING GEOLOGY AND SOILS ENGINEERING REPORT. AN AS-BUILT GEOLOGIC MAP MUST INCLUDED IN THE FINAL GEOLOGY REPORT. PROVIDE A FINAL REPORT STATEMENT THAT VERIFIES WORK WAS DONE IN ACCORDANCE WITH REPORT RECOMMENDATIONS AND CODE PROVISIONS. THE FINAL REPORT(S) MUST BE SUBMITTED TO THE GEOTECHNICAL AND MATERIALS ENGINEERING DIVISION FOR REVIEW AND APPROVAL.
- FOUNDATION, WALL AND POOL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE CONSULTING GEOLOGIST AND SOIL ENGINEER, PRIOR TO THE PLACING OF STEEL OR CONCRETE.
- BUILDING PADS LOCATED IN CUT/FILL TRANSITION AREAS SHALL BE OVER-EXCAVATED A MINIMUM OF THREE (3) FEET BELOW THE PROPOSED BOTTOM OF FOOTING IF GEOTECHNICAL REPORT DOES NOT SPECIFY GUIDELINES.

## GENERAL NOTES

- ALL GRADING AND CONSTRUCTION SHALL CONFORM TO THE 2017 COUNTY OF LOS ANGELES BUILDING CODES AND THE STATE MODEL WATER EFFICIENCY LANDSCAPE ORDINANCE UNLESS SPECIFICALLY NOTED ON THESE PLANS.
- ANY MODIFICATIONS OF OR CHANGES TO APPROVED GRADING PLANS MUST BE APPROVED BY THE BUILDING OFFICIAL.
- GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING OFFICIAL. A PRE-GRADING MEETING ON THE SITE REQUIRED BEFORE THE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER, GEOLOGIST, COUNTY GRADING INSPECTOR(S) OR THEIR REPRESENTATIVES, AND WHEN REQUIRED, THE ARCHAEOLOGIST OR OTHER JURISDICTIONAL AGENCIES. PERMITTEE OR HIS AGENT ARE RESPONSIBLE FOR ARRANGING PRE-GRADE MEETING AND MUST NOTIFY THE BUILDING OFFICIAL AT LEAST TWO BUSINESS DAYS PRIOR TO PROPOSED PRE-GRADE MEETING.
- APPROVAL OF THESE PLANS REFLECT SOLELY THE REVIEW OF PLANS IN ACCORDANCE WITH THE COUNTY OF LOS ANGELES BUILDING CODES AND DOES NOT REFLECT ANY POSITION BY THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS REGARDING THE STATUS OF ANY TITLE ISSUES RELATING TO THE LAND ON WHICH THE IMPROVEMENTS MAY BE CONSTRUCTED. ANY DISPUTES RELATING TO TITLE ARE SOLELY A PRIVATE MATTER NOT INVOLVING THE COUNTY OF LOS ANGELES OR THE DEPARTMENT OF PUBLIC WORKS.
- ALL GRADING AND CONSTRUCTION ACTIVITIES SHALL COMPLY WITH COUNTY OF LOS ANGELES CODE, TITLE 12, SECTION 12.12.030 THAT CONTROLS AND RESTRICTS NOISE FROM THE USE OF CONSTRUCTION AND GRADING EQUIPMENT FROM THE HOURS OF 8:00 PM TO 6:30 AM, AND ON SUNDAYS AND HOLIDAYS.
- CALIFORNIA PUBLIC RESOURCES CODE (SECTION 5097.98) AND HEALTH AND SAFETY CODE (SECTION 7050.5) ADDRESS THE DISCOVERY AND DISPOSITION OF HUMAN REMAINS. IN THE EVENT OF DISCOVERY OR RECOGNITION OF ANY HUMAN REMAINS IN ANY LOCATION OTHER THAN A DEDICATED CEMETERY, THE LAW REQUIRES THAT GRADING IMMEDIATELY STOPS AND NO FURTHER EXCAVATION OR DISTURBANCE OF THE SITE, OR ANY NEARBY AREA WHERE HUMAN REMAINS MAY BE LOCATED, OCCUR UNTIL THE FOLLOWING MEASURE HAVE BEEN TAKEN:
  - THE COUNTY CORONER HAS BEEN INFORMED AND HAS DETERMINED THAT NO INVESTIGATION OF THE CAUSE OF DEATH IS REQUIRED, AND
  - IF THE REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE DESCENDENTS FROM THE DECEASED NATIVE AMERICANS HAVE MADE A RECOMMENDATION FOR THE MEANS OF TREATING OR DISPOSING, WITH APPROPRIATE DIGNITY, OF THE HUMAN REMAINS AND ANY ASSOCIATED GRAVE GOODS.
- THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
- ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.
- A COPY OF THE GRADING PERMIT AND APPROVED GRADING PLANS MUST BE IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
- SITE BOUNDARIES, EASEMENTS, DRAINAGE DEVICES, RESTRICTED USE AREAS SHALL BE LOCATED PER CONSTRUCTION STAKING BY FIELD ENGINEER OR LICENSED SURVEYOR. PRIOR TO GRADING, AS REQUESTED BY THE BUILDING OFFICIAL, ALL PROPERTY LINES, EASEMENTS, AND RESTRICTED USE AREAS SHALL BE STAKED.

## GENERAL NOTES

- NO GRADING OR CONSTRUCTION SHALL OCCUR WITHIN THE PROTECTED ZONE OF ANY OAK TREE AS REQUIRED PER TITLE CHAPTER 22.56 OF THE COUNTY OF LOS ANGELES ZONING CODE. THE PROTECTED ZONE SHALL MEAN THAT AREA WITHIN THE DRIP LINE OF AN OAK TREE EXTENDING THERE FROM A POINT AT LEAST FIVE FEET OUTSIDE THE DRIP LINE, OR 15 FEET FROM THE TRUNK(S) OF A TREE, WHICH EVER IS GREATER.  
IF AN OAK TREE IS OBTAINED: (ADD THE FOLLOWING NOTE: )  
ALL GRADING AND CONSTRUCTION WITHIN THE PROTECTED ZONE OF ALL OAK TREES SHALL BE PER OAK TREE PERMIT NO. \_\_\_\_\_. ALL RECOMMENDATIONS IN THE PERMIT AND THE ASSOCIATED OAK TREE REPORT MUST BE COMPILED WITH AND AREA A PART OF THE GRADING PLAN. A COPY OF THE OAK TREE PERMIT AND ASSOCIATED REPORTS SHALL BE MAINTAINED IN THE POSSESSION OF A RESPONSIBLE PERSON AND AVAILABLE AT THE SITE AT ALL TIMES.
- THE STANDARD RETAINING WALL DETAILS SHOWN ON THE GRADING PLANS ARE FOR REFERENCE ONLY. STANDARD RETAINING WALLS ARE NOT CHECKED, PERMITTED, OR INSPECTED PER THE GRADING PERMIT. A SEPARATE RETAINING WALL PERMIT IS REQUIRED FOR ALL STANDARD RETAINING WALLS.
- A PREVENTATIVE PROGRAM TO PROTECT THE SLOPES FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED PER SECTION J101.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE. OWNER IS TO INSPECT SLOPES PERIODICALLY FOR EVIDENCE OF BURROWING RODENTS AND A FIRST EVIDENCE OF THEIR EXISTENCE SHALL EMPLOY AN EXTERMINATOR FOR THEIR REMOVAL.
- WHERE A GRADING PERMIT IS ISSUED AND THE BUILDING OFFICIAL DETERMINES THAT THE GRADING WILL NOT BE COMPLETED PRIOR TO NOVEMBER 1, THE OWNER OF THE SITE ON WHICH THE GRADING IS BEING PERFORMED SHALL, ON OR BEFORE OCTOBER 1, FILE OR CAUSE TO BE FILED WITH THE BUILDING OFFICIAL AN ESCP PER SECTION J110.8.3 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- TRANSFER OF RESPONSIBILITY: IF THE FIELD ENGINEER, THE SOILS ENGINEER, OR THE ENGINEERING GEOLOGIST OF RECORD IS CHANGED DURING GRADING, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT HAS AGREED IN WRITING TO ACCEPT THEIR RESPONSIBILITY WITHIN THE AREA OF TECHNICAL COMPETENCE FOR APPROVAL UPON COMPLETION OF THE WORK, IT SHALL BE THE DUTY OF THE PERMITTEE TO NOTIFY THE BUILDING OFFICIAL IN WRITING OF SUCH CHANGE PRIOR TO THE RECOMMENCEMENT OF SUCH GRADING.

## AGENCY NOTES

- AN ENCROACHMENT PERMIT FROM (COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS) IS REQUIRED FOR ALL WORK WITHIN OR AFFECTING ROAD RIGHT OF WAY. ALL WORK WITHIN ROAD RIGHT OF WAY SHALL CONFORM TO (COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS) ENCROACHMENT PERMIT.
- AN ENCROACHMENT PERMIT/CONNECTION PERMIT IS REQUIRED FROM THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT FOR ALL WORK WITHIN THE COUNTY OF LOS ANGELES FLOOD CONTROL DISTRICT RIGH TOF WAY. ALL WORK SHALL CONFORM TO CONDITIONS SET BY THE PERMIT.
- PERMISSION TO OPERATE IN VERY HIGH FIRE SEVERITY ZONE MUST BE OBTAINED FROM THE FIRE PREVENTION BUREAU OR THE LOCAL FIRE STATION PRIOR TO COMMENCING WORK.
- ALL WORK WITHIN THE STREAMBED AND AREAS OUTLINED ON GRADING PLANS SHALL CONFORM TO:  
ARMY CORP 404 PERMIT #: \_\_\_\_\_  
CALIFORNIA FISH & WILDLIFE PERMIT #: \_\_\_\_\_

## INSPECTION NOTES

- THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE BUILDING OFFICIAL AT LEAST ONE WORKING DAY IN ADVANCE OF REQUIRED INSPECTIONS AT FOLLOWING STAGES OF THE WORK. (SECTION J105.7 OF THE BUILDING CODE.)
  - PRE-GRADE - BEFORE THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION.
  - INITIAL - WHEN THE SITE HAS BEEN CLEARED OF VEGETATION AND UNAPPROVED FILL HAS BEEN SCARIFIED, BENCHED OR OTHERWISE PREPARED FOR FILL. FILL SHALL NOT BE PLACED PRIOR TO THIS INSPECTION. NOTE: PRIOR TO ANY CONSTRUCTION ACTIVITIES, INCLUDING GRADING, ALL STORM WATER POLLUTION PREVENTION MEASURES INCLUDING EROSION CONTROL DEVICES WHICH CONTAIN SEDIMENTS MUST BE INSTALLED.
  - ROUGH - WHEN APPROXIMATE FINAL ELEVATIONS HAVE BEEN ESTABLISHED; DRAINAGE TERRACES, SWALES AND BERMS INSTALLED AT THE TOP OF THE SLOPE; AND THE STATEMENTS REQUIRED IN THIS SECTION HAVE BEEN RECEIVED.
  - FINAL - WHEN GRADING HAS BEEN COMPLETED; ALL DRAINAGE DEVICES INSTALLED; SLOPE PLANTING ESTABLISHED, IRRIGATION SYSTEMS INSTALLED AND THE AS-BUILT PLANS, REQUIRED STATEMENTS, AND REPORTS HAVE BEEN SUBMITTED AND APPROVED.
- IN ADDITION TO THE INSPECTION REQUIRED BY THE BUILDING OFFICIAL FOR GRADING, REPORTS AND STATEMENTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL IN ACCORDANCE WITH SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- UNLESS OTHERWISE DIRECTED BY THE BUILDING OFFICIAL, THE FIELD ENGINEER FOR ALL ENGINEERED GRADING PROJECTS SHALL PREPARE ROUTINE INSPECTION REPORTS AS REQUIRED UNDER SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE. THESE REPORTS, KNOWN AS "REPORT OF GRADING ACTIVITIES", SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AS FOLLOWS:
  - BI-WEEKLY DURING ALL TIMES WHEN GRADING OF 400 CUBIC YARDS OR MORE PER WEEK IS OCCURRING ON THE SITE;
  - MONTHLY, AT ALL OTHER TIMES; AND
  - AT ANY TIME WHEN REQUESTED IN WRITING BY THE BUILDING OFFICIAL SUCH "REPORT OF GRADING ACTIVITIES" SHALL CERTIFY TO THE BUILDING OFFICIAL THAT THE FIELD ENGINEER HAS INSPECTED THE GRADING SITE AND RELATED ACTIVITIES AND HAS FOUND THEM IN COMPLIANCE WITH THE APPROVED GRADING PLANS AND SPECIFICATIONS, THE BUILDING CODE, ALL GRADING PERMIT CONDITIONS, AND ALL OTHER APPLICABLE ORDINANCES AND REQUIREMENTS. THIS FORM IS AVAILABLE AT THE FOLLOWING WEBSITE  
HTTP://DPW.LACOUNTY.GOV/BSO/DG/DEFAULT.ASPX. "REPORT OF GRADING ACTIVITIES" MAY BE SCANNED AND UPLOADED AT THE WEBSITE OR FAXED TO (310)530-5482. FAILURE TO PROVIDE REQUIRED INSPECTION REPORTS WILL RESULT IN A "STOP WORK ORDER."
- ALL GRADED SITES MUST HAVE DRAINAGE SWALES, BERMS, AND OTHER DRAINAGE DEVICES INSTALLED PRIOR TO ROUGH GRADING APPROVAL PER SECTION J105.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- THE GRADING CONTRACTOR SHALL SUBMIT THE STATEMENT TO THE GRADING INSPECTOR AS REQUIRED BY SECTION J105.12 OF THE COUNTY OF LOS ANGELES BUILDING CODE AT THE COMPLETION OF ROUGH GRADING.
- FINAL GRADING MUST BE APPROVED BEFORE OCCUPANCY OF BUILDINGS WILL BE ALLOWED PER SECTION J105 OF THE COUNTY OF LOS ANGELES BUILDING CODE.
- ROOF DRAINAGE MUST BE DIVERTED FROM GRADED SLOPES.
- PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES.
- ALL CONSTRUCTION AND GRADING WITHIN A STORM DRAIN EASEMENT ARE TO BE DONE PER PRIVATE DRAIN PD NO. \_\_\_\_\_ MISCELLANEOUS TRANSFER DRAIN MTD NO. \_\_\_\_\_.
- ALL STORM WORK IS TO BE DONE UNDER CONTINUOUS INSPECTION BY THE FIELD ENGINEER. STATUS REPORTS REQUIRED UNDER NOTE 18 AND SECTION J105.11 OF THE COUNTY OF LOS ANGELES BUILDING CODE SHALL INCLUDE INSPECTION INFORMATION AND REPORTS ON THE STORM DRAIN INSTALLATION.

## DRAINAGE NOTES

TOTAL DISTURBED AREA: 28,058 SQ.FT.  
(INCLUDING GRADING, CLEARING, AND LANDSCAPING AREA)  
TOTAL PROPOSED LANDSCAPING AREA: 157,336.7 SQ.FT.  
TOTAL TURF AREA: 0 SQ.FT.  
TOTAL DROUGHT TOLERANT LANDSCAPING AREA: 0 SQ.FT.  
TOTAL EXISTING IMPERVIOUS SURFACE AREA: 1,917.0 SQ.FT.  
TOTAL PROPOSED IMPERVIOUS SURFACE AREA: 6,209.9 SQ.FT.  
FLOOD ZONE ON FIRM: D  
BASE FLOOD ELEVATION: N/A  
POST-CONSTRUCTION BMP FEATURE(S) GPS COORDINATES: X: 34.061330, Y:-118.617707 (TREE), X: 34.061300, Y:-118.617707 (TREE)  
INTENDED LAND USE: SINGLE FAMILY RESIDENCE

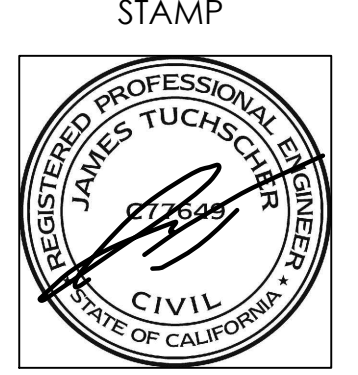
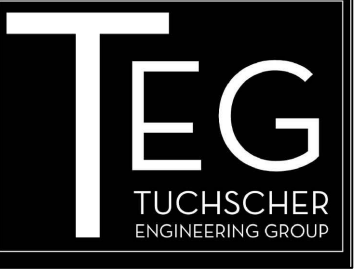
## FILL NOTES

- ALL FILL SHALL BE COMPACTED TO THE FOLLOWING MINIMUM RELATIVE COMPACTION CRITERIA:
  - 90 PERCENT OF MAXIMUM DRY DENSITY WITHIN 40 FEET BELOW FINISH GRADE.
  - 93 PERCENT OF MAXIMUM DRY DENSITY DEEPER THAN 40 FEET BELOW FINISH GRADE, UNLESS A LOWER RELATIVE COMPACTION (NOT LESS THAN 90 PERCENT OF MAXIMUM DRY DENSITY) IS JUSTIFIED BY THE GEOTECHNICAL ENGINEER.
  - 95 PERCENT OF MAXIMUM DRY DENSITY IS REQUIRED FOR ALL FIRE LANES OTHERWISE APPROVED BY THE FIRE DEPARTMENT.
- FIELD DENSITY SHALL BE DETERMINED BY A METHOD ACCEPTABLE TO THE BUILDING OFFICIAL. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.) HOWEVER, NOT LESS THAN 10% OF THE REQUIRED DENSITY TEST, UNIFORMLY DISTRIBUTED, AND SHALL BE OBTAINED BY THE SAND CONE METHOD.
- SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO DETERMINE THE RELATIVE COMPACTION OF THE FILL IN ACCORDANCE WITH THE FOLLOWING MINIMUM GUIDELINES:
  - ONE TEST FOR EACH TWO-FOOT VERTICAL LIFT.
  - ONE TEST FOR EACH 1,000 CUBIC YARDS OF MATERIAL PLACED.
  - ONE TEST AT THE LOCATION OF THE FINAL FILL SLOPE FOR EACH BUILDING SITE (LOT) IN EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEROF.
  - ONE TEST IN THE VICINITY OF EACH BUILDING PAD FOR EACH FOUR-FOOT VERTICAL LIFT OR PORTION THEREOF.
- SUFFICIENT TESTS OF THE FILL SOILS SHALL BE MADE TO VERIFY THAT THE SOIL PROPERTIES COMPLY WITH THE DESIGN REQUIREMENTS, AS DETERMINED BY THE SOIL ENGINEER INCLUDING SOIL TYPES, SHEAR STRENGTHS PARAMETERS AND CORRESPONDING UNIT WEIGHTS IN ACCORDANCE WITH THE FOLLOWING GUIDELINES.
  - PRIOR AND SUBSEQUENT TO PLACEMENT OF THE FILL, SHEAR TESTS SHALL BE TAKEN ON EACH TYPE OF SOIL OR SOIL MIXTURE TO BE USED FOR ALL FILL SLOPES STEEPER THAN THREE (3) HORIZONTAL TO ONE VERTICAL.
  - SHEAR TEST RESULTS FOR THE PROPOSED FILL MATERIAL MUST MEET OR EXCEED THE DESIGN VALUES USED IN THE GEOTECHNICAL REPORT TO DETERMINE THE SLOPE STABILITY REQUIREMENTS. OTHERWISE, THE SLOPE MUST BE REEVALUATED USING THE ACTUAL SHEAR TEST VALUE OF THE FILL MATERIAL THAT IS IN PLACE.
  - FILL SOILS SHALL BE FREE OF DELTERIOUS MATERIALS.
- FILL SHALL NOT BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAIN (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOIL ENGINEER. THE BUILDING OFFICIAL MAY REQUIRE A "STANDARD TEST METHOD FOR MOISTURE, ASH, ORGANIC MATTER, PEAT OR OTHER ORGANIC SOILS" ASTM D-2974-87 ON ANY SUSPECT MATERIAL. DETRIMENTAL AMOUNTS OF ORGANIC MATERIAL SHALL NOT BE PERMITTED IN FILLS. SOIL CONTAINING SMALL AMOUNTS OF ROOTS MAY BE ALLOWED PROVIDED THAT THE ROOTS ARE IN A QUANTITY AND DISTRIBUTED IN A MANNER THAT WILL NOT BE DETRIMENTAL TO THE FUTURE USE OF THE SITE AND THE SOILS ENGINEER APPROVES THE USE OF SUCH MATERIAL.
- ROCK OR SIMILAR MATERIAL GREATER THAN 12 INCHES IN DIAMETER SHALL NOT BE PLACED IN THE FILL UNLESS RECOMMENDATIONS FOR SUCH PLACEMENT HAVE BEEN SUBMITTED BY THE SOIL ENGINEER AND APPROVED IN ADVANCE BY THE BUILDING OFFICIAL. LOCATION, EXTENT, AND ELEVATION OF ROCK DISPOSAL AREAS MUST BE SHOWN ON AN "AS BUILT" GRADING PLAN.

CONT. ON C-1.1

GENERAL NOTES	6
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TUCHSCHER ENGINEERING GROUP, INC.  
115 Pine Ave, Suite 210  
Long Beach, CA 90802  
310.613.9980  
www.TEGLosAngeles.com



STAMP DATE  
6/18/2021

DRAWING  
TITLE SHEET

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

REVISIONS	BY
△ 9/22/2020	JB
△ 6/18/2021	MT
△	
△	

PROJECT #: 7-19-1733

DATE: 9/22/2020

SCALE: N/A

C-1.0

SHEET 1 OF 12

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CONT. ON C-1

AGENCY NOTES CONT.

30. ALL CONSTRUCTION/DEMOLITION, GRADING AND STORAGE OF BULK MATERIALS MUST COMPLY WITH THE LOCAL AQMD RULE 403 FOR FUGITIVE DUST. INFORMATION ON RULE 403 IS AVAILABLE AT AQMD'S WEBSITE [HTTP://WWW.AVAQMD.COM](http://www.AVAQMD.COM).

CONT. FILL NOTES

43. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL FILL PLACEMENT AND COMPACTION OPERATIONS WHERE FILLS HAVE A DEPTH GREATER THAN 30 FEET OR SLOPE SURFACE STEEPER THAN 2:1. (SECTION J107.8 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
44. CONTINUOUS INSPECTION BY THE SOIL ENGINEER, OR A RESPONSIBLE REPRESENTATIVE, SHALL BE PROVIDED DURING ALL SUBDRAIN INSTALLATION. (SECTION J107.2 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
45. ALL SUBDRAIN OUTLETS ARE TO BE SURVEYED FOR LINE AND ELEVATION. SUBDRAIN INFORMATION MUST BE SHOWN ON AN "AS BUILT" GRADING PLAN.
46. FILL SLOPES IN EXCESS OF 2:1 STEEPNESS RATIO ARE TO BE CONSTRUCTED BY THE PLACEMENT OF SOIL AT SUFFICIENT DISTANCE BEYOND THE PROPOSED FINISH SLOPE TO ALLOW COMPACTION EQUIPMENT TO BE OPERATED AT THE OUTER LIMITS OF THE FINAL SLOPE SURFACE. THE EXCESS FILL IS TO BE REMOVED PRIOR TO COMPLETION OF ROUGH GRADING. OTHER CONSTRUCTION PROCEDURES MAY BE USED WHEN IT IS DEMONSTRATED TO THE SATISFACTION OF THE BUILDING OFFICIAL THAT THE ANGLE OF THE SLOPE, CONSTRUCTION METHOD AND OTHER FACTORS WILL HAVE EQUIVALENT EFFECT. (SECTION J107.5 OF THE COUNTY OF LOS ANGELES BUILDING CODE.)

PLANTING AND IRRIGATION NOTES

47. PLANTING AND IRRIGATION ON GRADED SLOPES MUST COMPLY WITH THE FOLLOWING MINIMUM GUIDELINES:
- a. THE SURFACE OF ALL CUT SLOPES MORE THAN 5 FEET IN HEIGHT AND FILL SLOPES MORE THAN 3 FEET IN HEIGHT SHALL BE PROTECTED AGAINST DAMAGE BY EROSION BY PLANTING WITH GRASS OR GROUND COVER PLANTS. SLOPES EXCEEDING 15 FEET IN VERTICAL HEIGHT SHALL ALSO BE PLANTED WITH SHRUBS, SPACED AT NOT TO EXCEED 10 FEET ON CENTERS; OR TREES, SPACED AT NOT TO EXCEED 20 FEET ON CENTERS, OR A COMBINATION OF SHRUBS AND TREES AT EQUIVALENT SPACING. IN ADDITION TO THE GRASS OR GROUND COVER PLANTS, THE PLANTS SELECTED AND PLANTING METHODS USED SHALL BE SUITABLE FOR THE SOIL AND CLIMATIC CONDITIONS OF THE SITE. PLANT MATERIAL SHALL BE SELECTED WHICH WILL PRODUCE A COVERAGE OF PERMANENT PLANTING EFFECTIVELY CONTROLLING EROSION. CONSIDERATIONS SHALL BE GIVEN TO DEEP-ROOTED PLANTING MATERIAL NEEDING LIMITED WATERING, MAINTENANCE, HIGH ROOT TO SHOOT RATIO, WIND SUSCEPTIBILITY AND FIRE-RETARDANT CHARACTERISTICS. ALL PLANT MATERIALS MUST BE APPROVED BY THE BUILDING OFFICIAL. (SECTION J110.3 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- NOTE: PLANTING MAY BE MODIFIED FOR THE SITE IF SPECIFIC RECOMMENDATIONS ARE PROVIDED BY BOTH THE SOILS ENGINEER AND A LANDSCAPE ARCHITECT. SPECIFIC RECOMMENDATIONS MUST CONSIDER SOILS AND CLIMATIC CONDITIONS, IRRIGATION REQUIREMENTS, PLANTING METHODS, FIRE RETARDANT CHARACTERISTICS, WATER EFFICIENCY, MAINTENANCE NEEDS, AND OTHER REGULATORY REQUIREMENTS. RECOMMENDATIONS MUST INCLUDE A FINDING THAT THE ALTERNATIVE PLANTING WILL PROVIDE A PERMANENT AND EFFECTIVE METHOD OF EROSION CONTROL. MODIFICATIONS TO PLANTING MUST BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO INSTALLATION.
- b. SLOPES REQUIRED TO BE PLANTED BY SECTION J110.3 SHALL BE PROVIDED WITH AN APPROVED SYSTEM OF IRRIGATION THAT IS DESIGNATED TO COVER ALL PORTIONS OF THE SLOPE. IRRIGATION SYSTEM PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO INSTALLATION. A FUNCTIONAL TEST OF THE SYSTEM MUST BE REQUIRED. FOR SLOPES LESS THAN 20 FEET IN VERTICAL HEIGHT, HOSE BIBS TO PERMIT HAND WATERING WILL BE ACCEPTABLE IF SUCH HOSE BIBS ARE INSTALLED AT CONVENIENTLY ACCESSIBLE LOCATIONS WHERE A HOSE IS NO LONGER THAN 50 FEET IS NECESSARY FOR IRRIGATION. THE REQUIREMENTS FOR PERMANENT IRRIGATIONS SYSTEMS MAY BE MODIFIED UPON SPECIFIC RECOMMENDATION OF A LANDSCAPE ARCHITECT OR EQUIVALENT AUTHORITY THAT, BECAUSE OF THE TYPE OF PLANTS SELECTED, THE PLANTING METHODS USED AND THE SOIL AND CLIMATIC CONDITIONS AT THE SITE, IRRIGATION WILL NOT BE NECESSARY FOR THE MAINTENANCE OF THE SLOPE PLANTING (SECTION J110.4 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
- c. OTHER GOVERNMENTAL AGENCIES MAY HAVE ADDITIONAL REQUIREMENTS FOR LANDSCAPING AND IRRIGATION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE WITH OTHER AGENCIES TO MEET THEIR REQUIREMENTS WHILE MAINTAINING COMPLIANCE WITH THE COUNTY OF LOS ANGELES BUILDING CODE.
48. THE PLANTING AND IRRIGATION SYSTEMS SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER ROUGH GRADING. PRIOR TO FINAL GRADING APPROVAL ALL REQUIRED SLOPE PLANTING MUST BE WELL ESTABLISHED. (SECTION J110.7 OF THE COUNTY OF LOS ANGELES BUILDING CODE)
49. LANDSCAPE IRRIGATION SYSTEM SHALL BE DESIGNED AND MAINTAINED TO PREVENT SPRAY ON STRUCTURES. (TITLE 31, SECTION 5.407.2.1)
50. PRIOR TO ROUGH GRADE APPROVAL THIS PROJECT REQUIRES A LANDSCAPE PERMIT. LANDSCAPE PLANS IN COMPLIANCE WITH THE "MODEL WATER EFFICIENT LANDSCAPE ORDINANCE" TITLE 23, CHAPTER 2.7 OF CALIFORNIA CODE OF REGULATIONS (AB1881) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS, LAND DEVELOPMENT DIVISION, (900 S. FREMONT AVE, ALHAMBRA - 3RD FLOOR, CA 91083 (626)458-4921). TO OBTAIN LANDSCAPE PERMIT APPROVED PLANS AND WATER PURVEYOR ACKNOWLEDGMENT FORM MUST BE SUBMITTED TO THE LOCAL BUILDING AND SAFETY OFFICE.

BEST MANAGEMENT PRACTICE NOTES:

- 1) IN CASE OF EMERGENCY, CALL \_\_\_\_\_ AT \_\_\_\_\_
- 2) TOTAL DISTURBED AREA \_\_\_\_\_ WDDID # \_\_\_\_\_  
I. RISK LEVEL 1 2 3 (CIRCLE ONE AS DETERMINED BY STATE GENERAL PERMIT FOR SITES GREATER THAN 1 ACRE)
- 3) A STAND-BY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (NOVEMBER 1 TO APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF EMERGENCY DEVICES WHEN RAIN IS IMMINENT.
- 4) EROSION CONTROL DEVICES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE GRADING OPERATION HAS PROGRESSED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
- 5) GRADED AREAS ADJACENT TO FILL SLOPES LOCATED AT THE SITE PERIMETER MUST DRAIN AWAY FROM THE TOP OF SLOPE AT THE CONCLUSION OF EACH WORKING DAY. ALL LOOSE SOILS AND DEBRIS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
- 6) ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WITHIN 24 HOURS AFTER EACH RAINSTORM AND BE DISPOSED OF PROPERLY.
- 7) A GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF THE WATER IN ANY DEVICE EXCEEDS TWO FEET. THE DEVICE SHALL BE DRAINED OR PUMPED DRY WITHIN 24 HOURS AFTER EACH RAINSTORM. PUMPING AND DRAINING OF ALL BASINS AND DRAINAGE DEVICES MUST COMPLY WITH THE APPROPRIATE BMP FOR DEWATERING OPTIONS.
- 8) THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. ADDITIONAL DEVICES AS NEEDED SHALL BE INSTALLED TO RETAIN SEDIMENTS AND OTHER POLLUTANTS ON SITE.
- 9) DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERABLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
- 10) STORM WATER POLLUTION AND EROSION CONTROL DEVICES ARE TO BE MODIFIED, AS NEEDED, AS THE PROJECT PROGRESSES, THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL IF REQUESTED BY THE BUILDING OFFICIAL.
- 11) EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORM WATER FROM THE PROJECT SITES AT ALL TIMES.
- 12) ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
- 13) STOCKPILES OF EARTH AND OTHER CONSTRUCTION-RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- 14) FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- 15) EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON-SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- 16) DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPs ARE INSTALLED AND FUNCTIONING PROPERLY IF THERE IS A 50% OR GREATER PROBABILITY OF PREDICTED PRECIPITATION, AND AFTER ACTUAL PRECIPITATION. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
- 17) TRASH AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- 18) SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEEPED UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 19) ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- 20) AS THE ENGINEER/QSD OF RECORD, I HAVE SELECTED APPROPRIATE BMPs TO EFFECTIVELY MINIMIZE THE NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORM WATER QUALITY. THE PROJECT OWNER AND CONTRACTOR ARE AWARE THAT THE SELECTED BMPs MUST BE INSTALLED, MONITORED, AND MAINTAINED TO ENSURE THEIR EFFECTIVENESS.

CIVIL ENGINEER/QSD SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

21) THE FOLLOWING NOTES MUST BE ON THE PLAN:

AS THE PROJECT OWNER OR AUTHORIZED AGENT OF THE OWNER, "I CERTIFY THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH THE SYSTEM DESIGNED TO ENSURE THAT A QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSONS OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE INFORMATION SUBMITTED IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT SUBMITTING FALSE AND/OR INACCURATE INFORMATION, FAILING TO UPDATE THE ESCP TO REFLECT CURRENT CONDITIONS, OR FAILING TO PROPERLY AND/OR ADEQUATELY IMPLEMENT THE ESCP MAY RESULT IN REVOCATION OF GRADING AND/OR OTHER PERMITS OR OTHER SANCTIONS PROVIDED BY LAW."

22) DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO INSPECT ALL EROSION CONTROL DEVICES AND BMPs ARE INSTALLED AND FUNCTIONING PROPERLY AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL

23) THE FOLLOWING BMPs FROM THE "CASQA CONSTRUCTION BMP ONLINE HANDBOOK" MUST BE IMPLEMENTED FOR ALL CONSTRUCTION ACTIVITIES AS APPLICABLE. AS AN ALTERNATIVE, DETAILS FROM "CALTRANS STORMWATER QUALITY HANDBOOKS, CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) MANUAL" MAY BE USED. ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE BUILDING OFFICIAL.

- EROSION CONTROL
- |  |                                      |
|--|--------------------------------------|
| EC-1 SCHEDULING                          | EC-9 EARTH DIKES AND DRAINAGE SWALES |
| EC-2 PRESERVATION OF EXISTING VEGETATION | EC-10 VELOCITY DISSIPATION DEVICES   |
| EC-3 HYDRAULIC MULCH                     | EC-11 SLOPE DRAINS                   |
| EC-4 HYDROSEEDING                        | EC-12 STREAMBANK STABILIZATION       |
| EC-5 SOIL BINDERS                        | EC-14 COMPOST BLANKETS               |
| EC-6 STRAW MULCH                         | EC-15 SOILS PREPARATION/ROUGHENING   |
| EC-7 GEOTEXTILES & MATS                  | EC-16 NON-VEGETATED STABILIZATION    |
| EC-8 WOOD MULCHING                       |                                      |

- TEMPORARY SEDIMENT CONTROL
- |                                    |                                    |
|------------------------------------|------------------------------------|
| SE-1 SILT FENCE                    | SE-8 SANDBAG BARRIER               |
| SE-2 SEDIMENT BASIN                | SE-9 STRAW BALE BARRIER            |
| SE-3 SEDIMENT TRAP                 | SE-10 STORM DRAIN INLET PROTECTION |
| SE-4 CHECK DAM                     | SE-11 ACTIVE TREATMENT SYSTEMS     |
| SE-5 FIBER ROLLS                   | SE-12 TEMPORARY SILT DIKE          |
| SE-6 GRAVEL BAG BERM               | SE-13 COMPOST SOCKS & BERMS        |
| SE-7 STREET SWEEPING AND VACUUMING | SE-14 BIOFILTER BAGS               |

WIND EROSION CONTROL

WE-1 WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

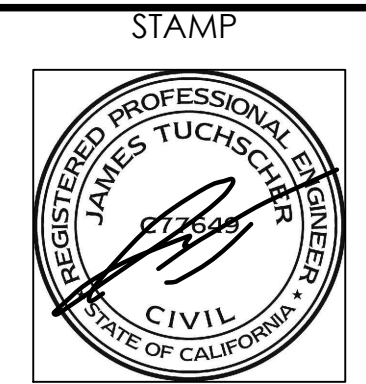
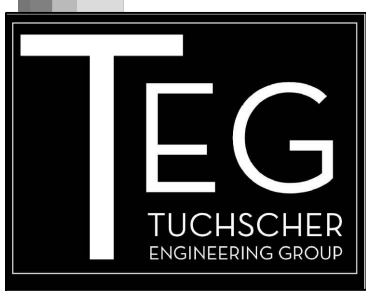
TC-1 STABILIZED CONSTRUCTION ENTRANCE EXIT	TC-2 STABILIZED CONSTRUCTION ROADWAY
TC-3 ENTRANCE/OUTLET TIRE WASH	

- NON-STORMWATER MANAGEMENT
- |                                     |   |
|-------------------------------------|---|
| NS-1 WATER CONSERVATION PRACTICES   | NS-9 VEHICLE AND EQUIPMENT CLEANING     |
| NS-2 DEWATERING OPERATIONS          | NS-10 VEHICLE AND EQUIPMENT MAINTENANCE |
| NS-3 PAVING AND GRINDING OPERATIONS | NS-11 PILE DRIVING OPERATIONS           |
| NS-4 TEMPORARY STREAM CROSSING      | NS-12 CONCRETE CURING                   |
| NS-5 CLEAR WATER DIVERSION          | NS-13 CONCRETE FINISHING                |
| NS-6 ILLICIT CONNECTION/DISCHARGE   | NS-14 MATERIAL AND EQUIPMENT USE        |
| NS-7 POTABLE WATER/IRRIGATION       | NS-15 DEMOLITION ADJACENT TO WATER      |
| NS-8 VEHICLE AND EQUIPMENT CLEANING | NS-16 TEMPORARY BATCH PLANTS            |

WASTE MANAGEMENT & MATERIAL POLLUTION CONTROL

WM-1 MATERIAL DELIVERY AND STORAGE	WM-6 HAZARDOUS WASTE MANAGEMENT
WM-2 MATERIAL USE	WM-7 CONTAMINATION SOIL MANAGEMENT
WM-3 STOCKPILE MANAGEMENT	WM-8 CONCRETE WASTE MANAGEMENT
WM-4 SPILL PREVENTION AND CONTROL	WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
WM-5 SOLID WASTE MANAGEMENT	WM-10 LIQUID WASTE MANAGEMENT

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115 Pine Ave, Suite 210  
Long Beach, CA 90802  
310.613.9980  
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STAMP DATE  
6/18/2021

DRAWING  
GENERAL NOTES

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

REVISIONS	BY
△ 9/22/2020	JB
△ 6/18/2021	MT
△	
△	

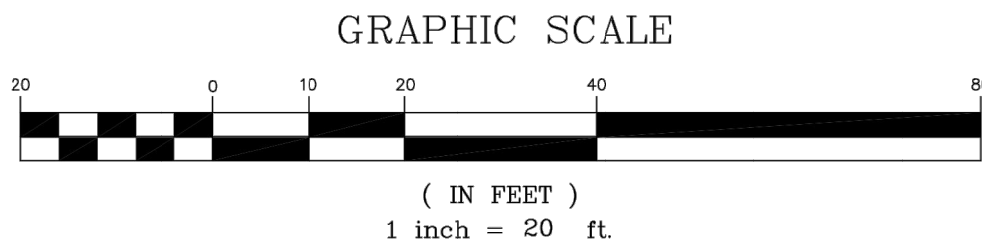
PROJECT #: 7-19-1733  
DATE: 9/22/2020  
SCALE: N/A

C-1.1



LEGEND

- CENTERLINE
- FENCE LINE
- PROPERTY LINE
- EXISTING BUILDING
- WALL
- ELECTRIC VAULT/PULL BOX
- FOUND OR SET MONUMENT AS NOTED
- GUY ANCHOR OR POLE
- MAIL BOX
- PALM TREE
- UTILITY POLE
- TREE
- CAR CHARGER
- FINISHED SURFACE
- FINISHED FLOOR
- FLOWLINE
- DIRT
- TOP OF CURB



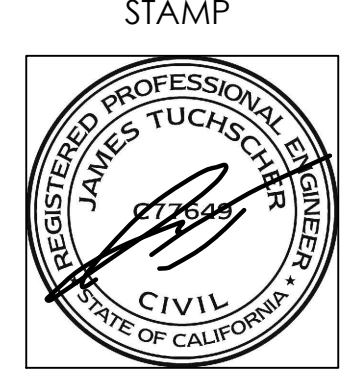
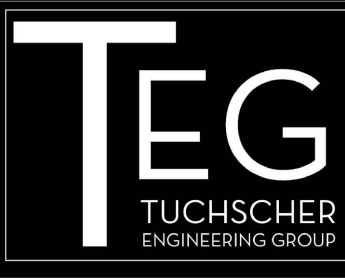
DRAWING  
EXISTING SITE PLAN

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

REVISIONS	BY
△ 9/22/2020	JB
△ 6/18/2021	MT
△	
△	
PROJECT #: 7-19-1733	
DATE: 9/22/2020	
SCALE: 1" = 20'-0"	

C-2.0

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GRADING NOTES

1. ALL RETAINING WALLS, POOLS, AND SPAS ARE TO BE UNDER A SEPARATE PERMIT.

BUILDING SITE SUMMARY	
DESCRIPTION	AREA
TOTAL BUILDING SITE	8957.4 SQ.FT.

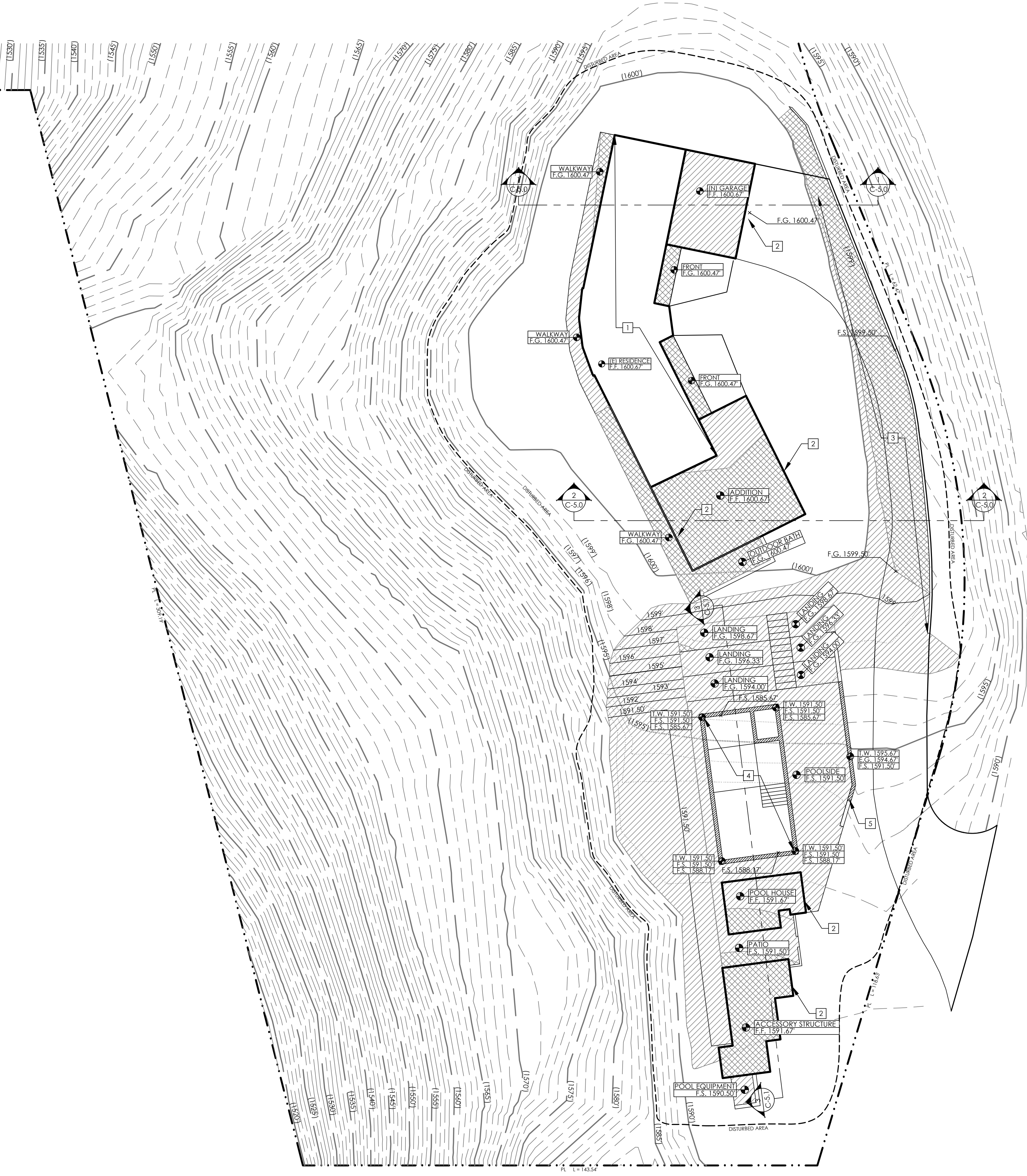


**DIGALERT**

EXCAVATION NOTICE

BEFORE A PERMIT TO EXCAVATE WILL BE VALID, CONTACT DIG ALERT FOR DIG ALERT IDENTIFICATION NUMBER 48 HOURS BEFORE EXCAVATION

CALL 811



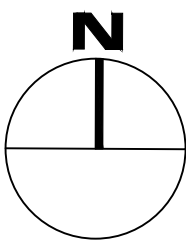
GRADING PLAN LEGEND

(100')	EXISTING MAJOR GRADE CONTOUR
(101')	EXISTING MINOR GRADE CONTOUR
100'	PROPOSED MAJOR GRADE CONTOUR
101'	PROPOSED MINOR GRADE CONTOUR
(100')	EXISTING MAJOR GRADE CONTOUR TO BE REMOVED
(101')	EXISTING MINOR GRADE CONTOUR TO BE REMOVED
---	CUT & FILL TRANSITION/DAYLIGHT BOUNDARY
[Hatched Box]	CUT AREA
[Cross-hatched Box]	FILL AREA
- - - -	OUTLINE OF DISTURBED AREA
=====	OUTLINE AT GRADE
[Diagonal Hatched Box]	RETAINING WALL
[Solid Box]	(N) SITE WALL

CONSTRUCTION NOTES

1	(E) BUILDING OUTLINE
2	(N) ADDITION BUILDING OUTLINE
3	DRIVEWAY
4	POOL TO BE DEVELOPED UNDER SEPARATE PERMIT
5	(N) SITE WALL

GRADING SUMMARY				
	WITHIN FOOTPRINT	OUTSIDE OF FOOTPRINT	REMOVE AND RECOMPACT	TOTAL
CUT	10 CU.YD.	329 CU.YD.	0 CU.YD.	339 CU.YD.
FILL	15 CU.YD.	43 CU.YD.	0 CU.YD.	58 CU.YD.
			TOTAL	397 CU.YD.
			281 CU.YD.	EXPORT



GRADING PLAN

SCALE: 1" = 15'-0"

PROJECT

HERZIG-GOLD RESIDENCE

3045 TUNA CANYON ROAD

TOPANGA CANYON, CA 90290

REVISIONS

BY

9/22/2020

JB

6/18/2021

MT

PROJECT #:

7-19-1733

DATE:

9/22/2020

SCALE:

1" = 15'-0"

C-3.0

SHEET

4 OF 12

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115 Pine Ave, Suite 210

Long Beach, CA 90802

310.613.9980

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STAMP

REGISTERED PROFESSIONAL ENGINEER

JAMES TUCHSCHER

CIVIL

STATE OF CALIFORNIA

STAMP DATE

6/18/2021

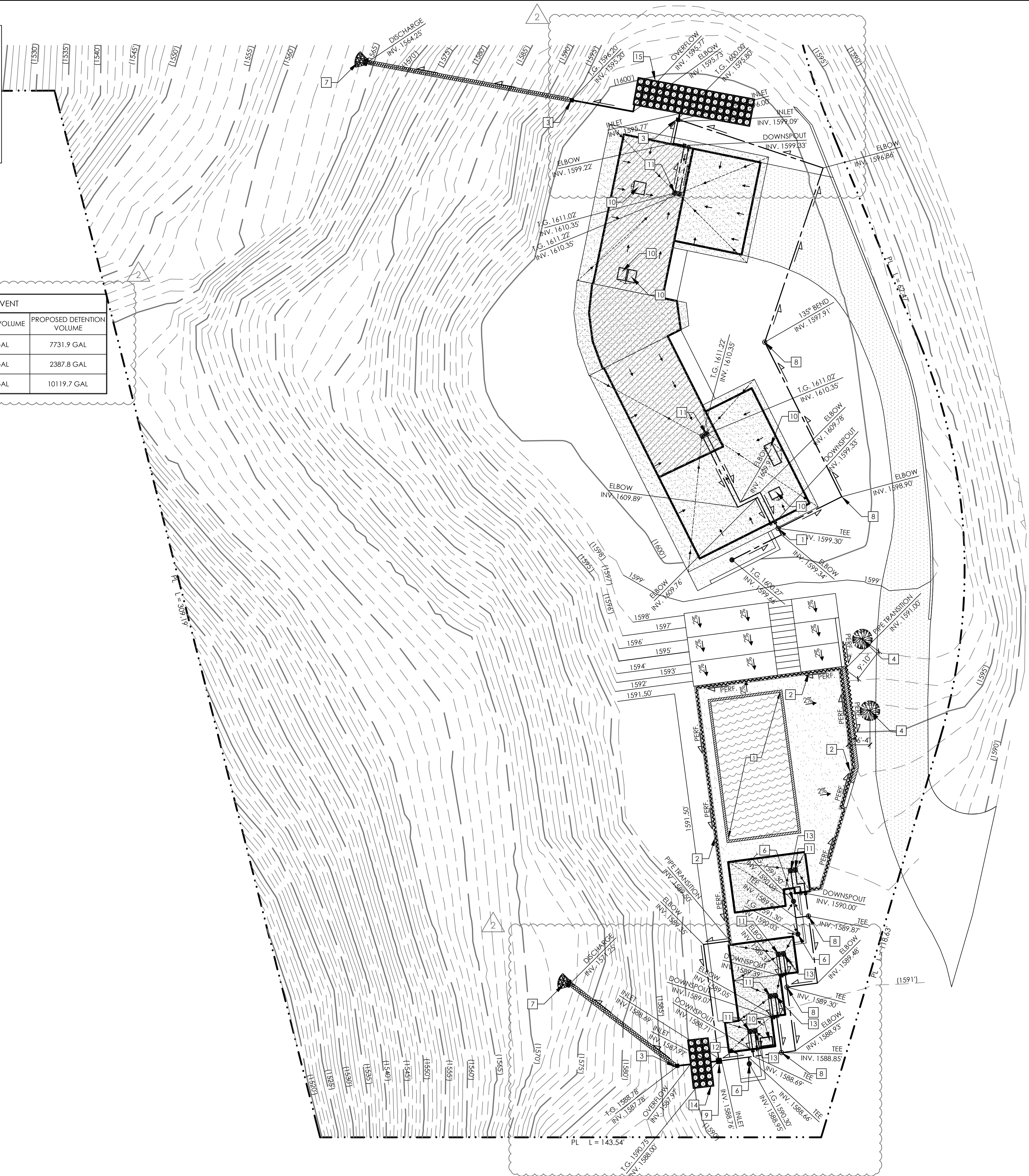
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DRAINAGE NOTES	
1.	2% MIN. SLOPE TO DRAINAGE DEVICE AND / OR STREET AT ALL PAD AREAS.
2.	2% MIN. SLOPE AWAY FROM BUILDINGS AT AREAS OF HARDSCAPE AT ADJACENT 5 FEET.
3.	5% MIN. SLOPE AWAY FROM BUILDINGS AT AREAS OF SOFTSCAPE AT ADJACENT 5 FEET.
4.	PROVIDE CATCH BASIN INLET DRAINS WITH STENCIL PER DETAIL 1/C-6.0.

LID SUMMARY - INCIDENTAL PERMEABLE AREA	
DESCRIPTION	AREA
DRIVEWAY (DECOMPOSED GRANITE)	3314.5 SQ.FT.
TOTAL PAVERS	3314.5 SQ.FT.

DETENTION SUMMARY - 0.75-INCH RAINFALL EVENT			
DESCRIPTION	TRIBUTARY AREA	MITIGATION VOLUME	PROPOSED DETENTION VOLUME
MAIN HOUSE	4740.7 SQ.FT.	7625.7 GAL	7731.9 GAL
POOL HOUSE/ACCESSORY STRUCTURE	1469.2 SQ.FT.	2363.3 GAL	2387.8 GAL
TOTAL	4740.7 SQ.FT.	9989.0 GAL	10119.7 GAL



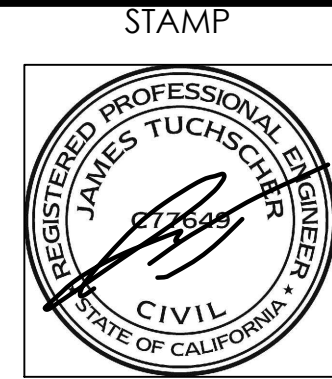
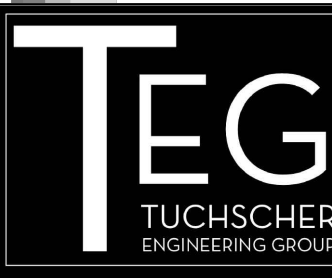
DRAINAGE PLAN LEGEND	
(100')	EXISTING MAJOR GRADE CONTOUR
(101')	EXISTING MINOR GRADE CONTOUR
100'	PROPOSED MAJOR GRADE CONTOUR
101'	PROPOSED MINOR GRADE CONTOUR
	12" SINGLE WALLED CORRUGATED PIPE
	6" SOLID SCHEDULE 40 PVC PIPE
	4" SOLID SCHEDULE 40 PVC PIPE
	3" SOLID SCHEDULE 40 PVC PIPE
	4" PERFORATED SCHEDULE 40 PVC PIPE W/ HOLES FACING DOWNWARD
	4" GUTTER
	4" DOWNPOUT PER PLAN
	4" AREA DRAIN W/ MIN. 2% SLOPE TO DRAIN
	CLEANOUT PER PLAN
	CATCH BASIN PER PLAN
	RIP RAP
	15 GALLON TREE
	IMPERMEABLE AREA (DENSITY OF HATCH PROPORTIONAL TO ELEVATION)
	DECOMPOSED GRANITE WITH GRAVEL PAVE INVISIBLE STRUCTURE PER ARCHITECTURAL PLAN
	POOL
	NON-SPECIFIC PERMEABLE AREA
	EXISTING TO REMAIN/OUT OF SCOPE
	12" FRENCH DRAIN PER DETAIL 4/C-6.0
	SKYLIGHT
	DIRECTION OF SHEET FLOW
	DIRECTION OF PIPE FLOW
	PERF. DRAIN PATH FOR PERFORATED PIPE
	OLDCASTLE INFRASTRUCTURE CUDO DETENTION MODULE PER PLAN, 7.6 CU.FT. PER MODULE, (NUMBER INDICATES # OF STACKED MODULES)

CONSTRUCTION NOTES	
1	4" DOWNPOUT
2	INSTALL FRENCH DRAIN PROVIDE 4" PERF PIPE (HOLES FACING DOWNWARD W/ 1/2"x24" GRAVEL POCKET WRAPPED IN MIRAFI FILTER FABRIC PER DETAIL 4/C-6.0)
3	12" SQUARE CONCRETE CATCH BASIN AS CLEAN OUT PER DETAIL 5/C-6.0
4	15 GALLON TREE
5	POOL PER SEPARATE PERMIT
6	4" AREA DRAIN PER DETAIL 2/C-6.0
7	RIP RAP
8	4" CLEANOUT
9	18" SQUARE CONCRETE CATCH BASIN AS CLEANOUT PER DETAIL 5/C-6.0
10	SKYLIGHT
11	ROOF DRAIN WITH OVERFLOW DRAIN 2" ABOVE ROOF SURFACE
12	POOL EQUIPMENT AND CONDENSOR AREA PER ARCHITECTURAL PLAN
13	OVERFLOW DRAIN SET 2" ABOVE ROOF SURFACE
14	(21) DOUBLE STACKED OLDCASTLE CUDOS, 42 TOTAL MODULES, PER DETAIL 6/C-6.0
15	(68) DOUBLE STACKED OLDCASTLE CUDOS, 136 TOTAL MODULES, PER DETAIL 6/C-6.0

DRAINAGE PLAN

SCALE: 1" = 15'-0"

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STAMP DATE  
6/18/2021

DRAWING  
DRAINAGE PLAN

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

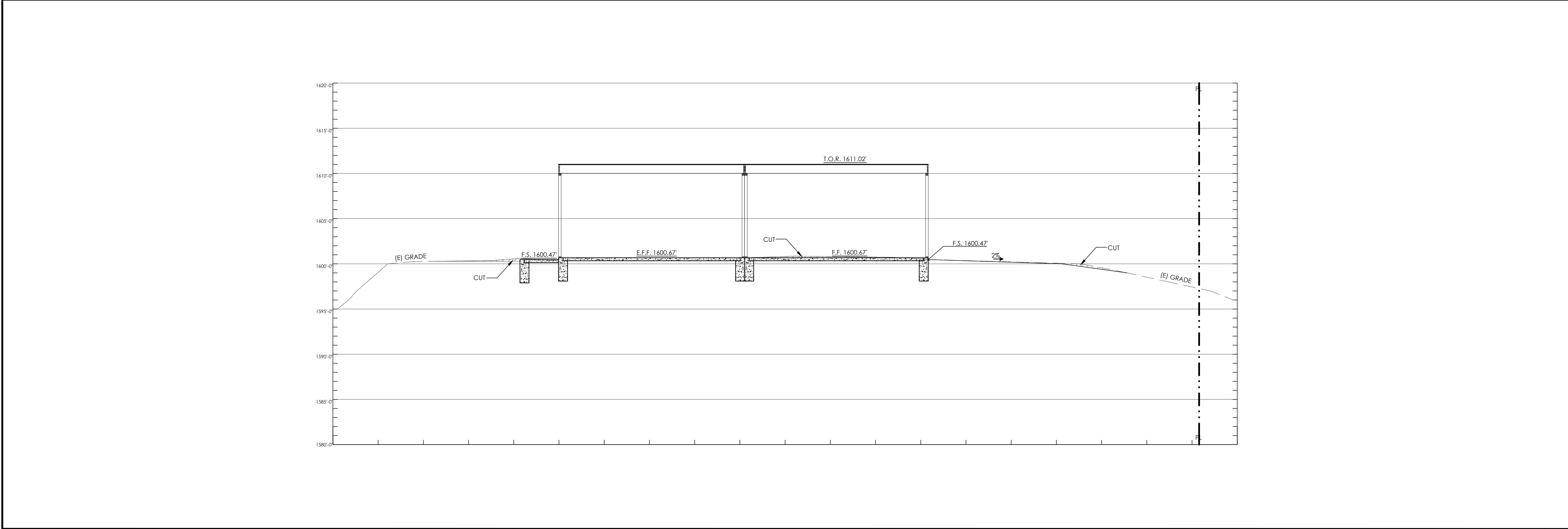
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DATE: 9/22/2020  
SCALE: 1" = 15'-0"

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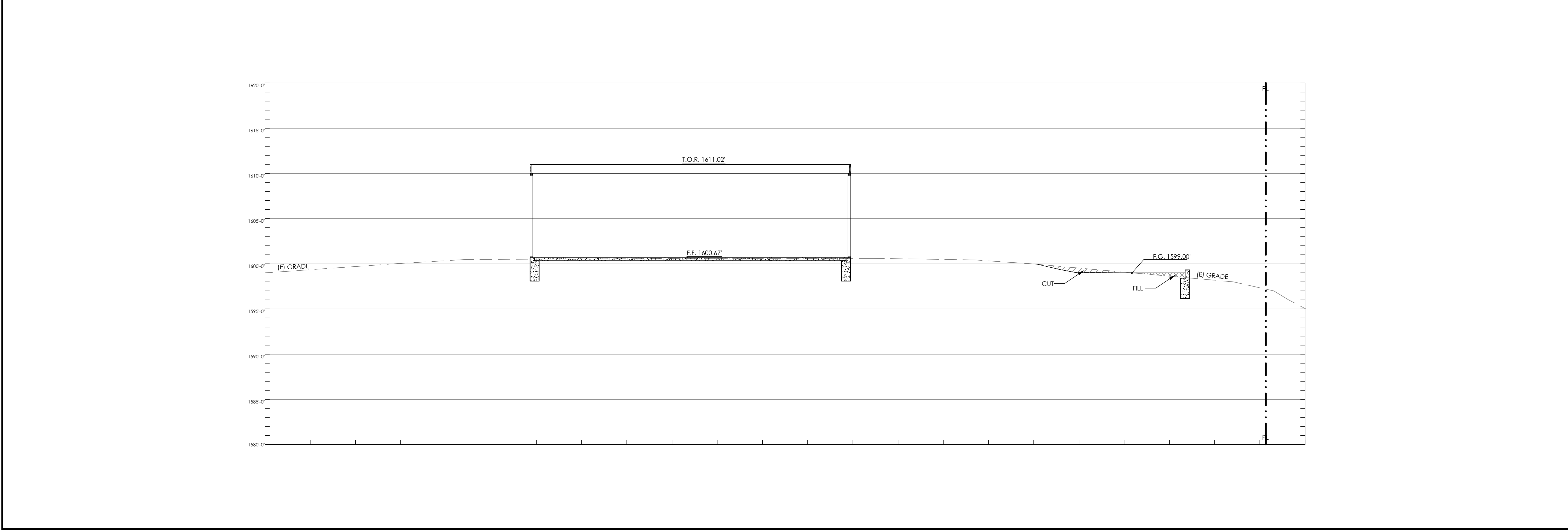




GRADING SECTION

SCALE: 3/16"=1'-0"

1



GRADING SECTION


SCALE: 3/16"=1'-0"

2

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STAMP DATE  
6/18/2021

DRAWING  
GRADING SECTIONS

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

REVISIONS	BY
 9/22/2020	JB
 6/18/2021	MT
	
	

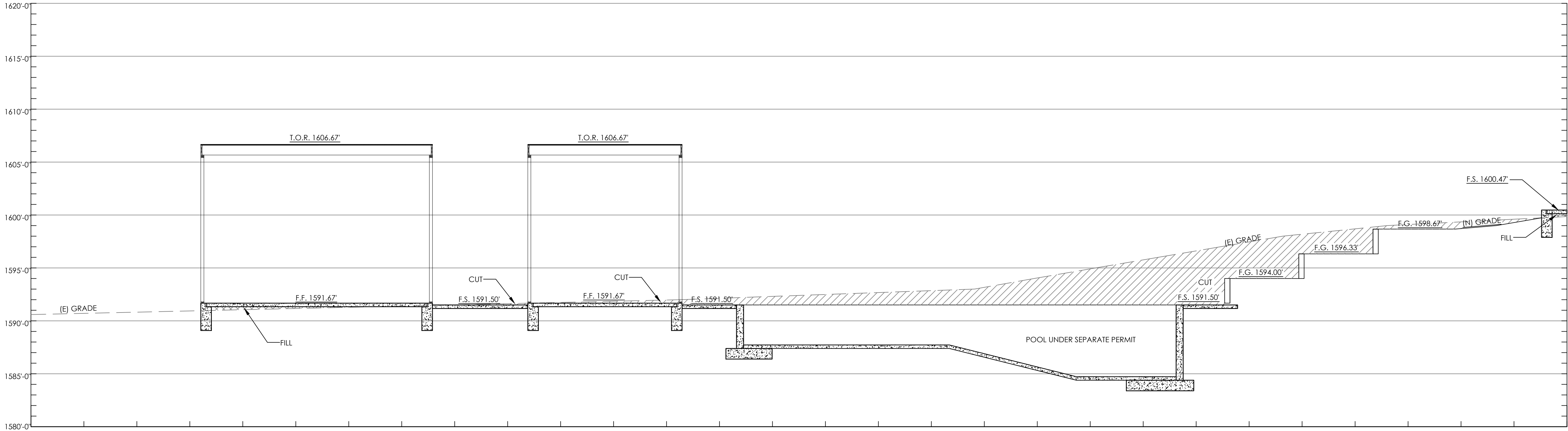
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DATE: 9/22/2020  
SCALE: 3/16" = 1'-0"

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SHEET 6 OF 12

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PROJECT #: 7-19-1733  
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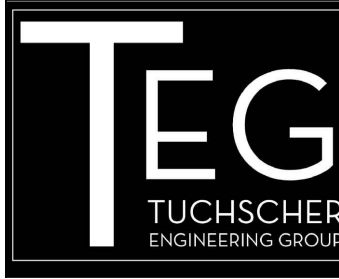
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DRAWING  
GRADING SECTIONS

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

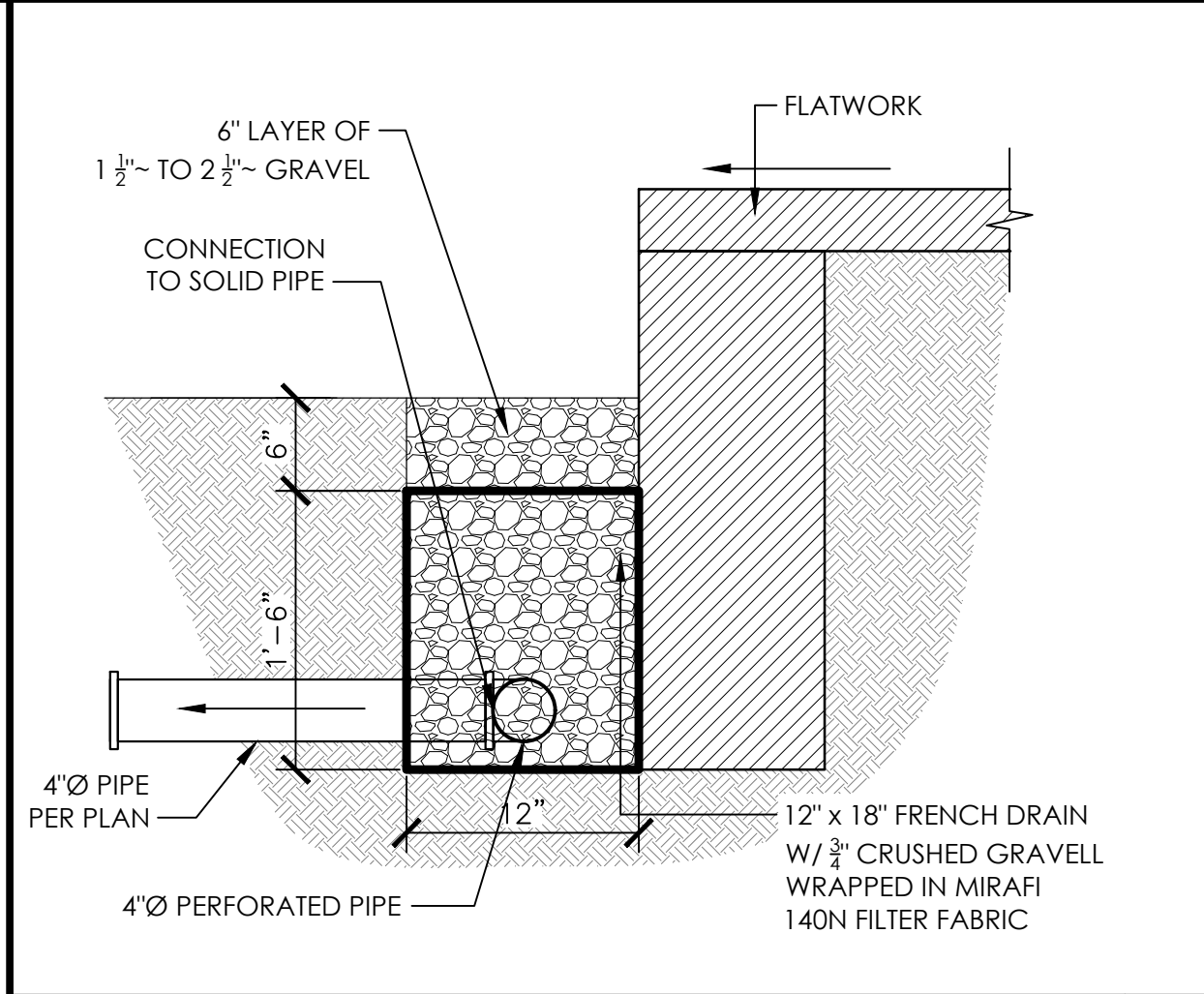


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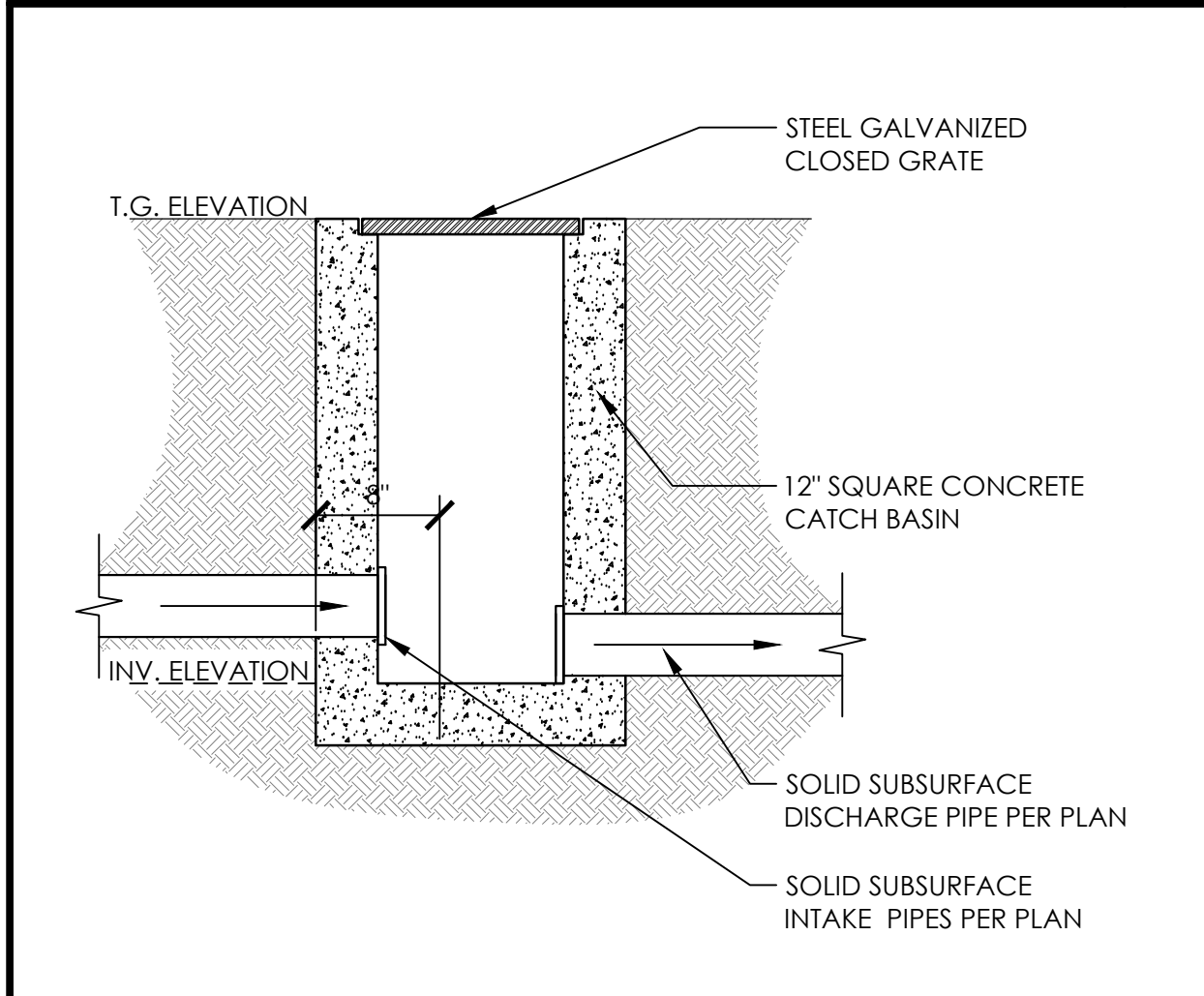
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GRAVEL INFILTRATION TRENCH

4



CATCH BASIN AS CLEANOUT

5



INFORMATION BULLETIN / PUBLIC - BUILDING CODE  
REFERENCE NO.: LABC 101.5, Item 4  
DOCUMENT NO. **P/BC 2017-002**  
Previously Issued As: P/BC 2014-002  
Effective: 01-01-2017  
Revised:

RETAINING OR SLOUGH WALL (4'-0" HIGH OR LESS)

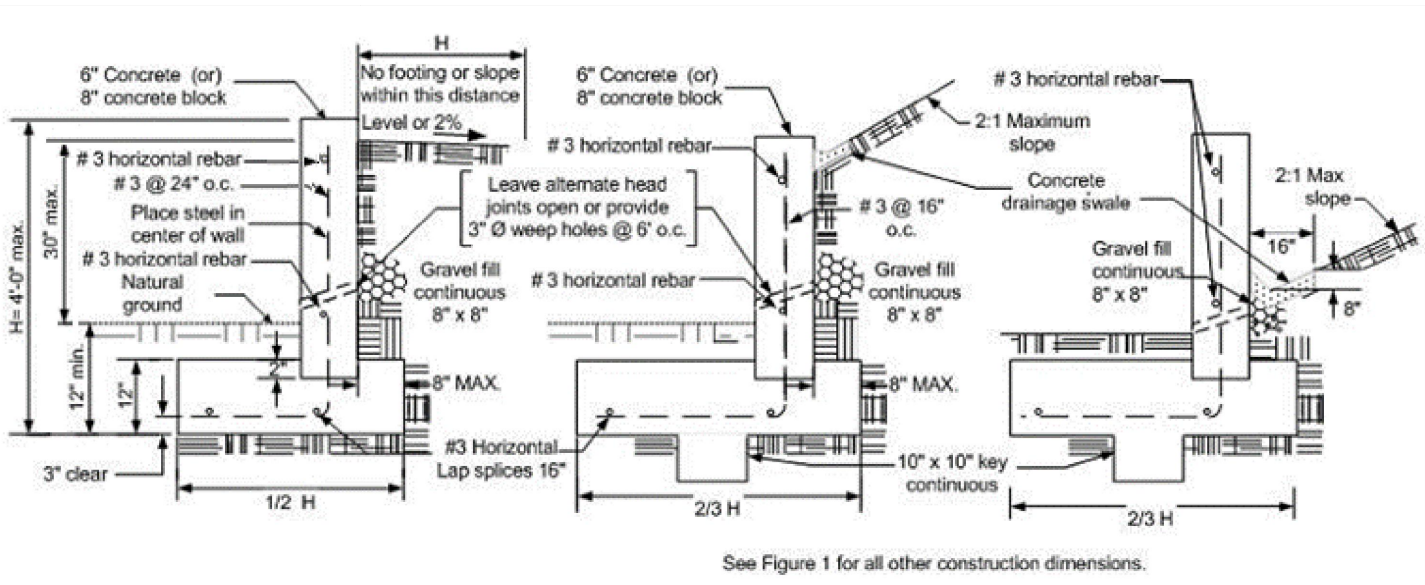
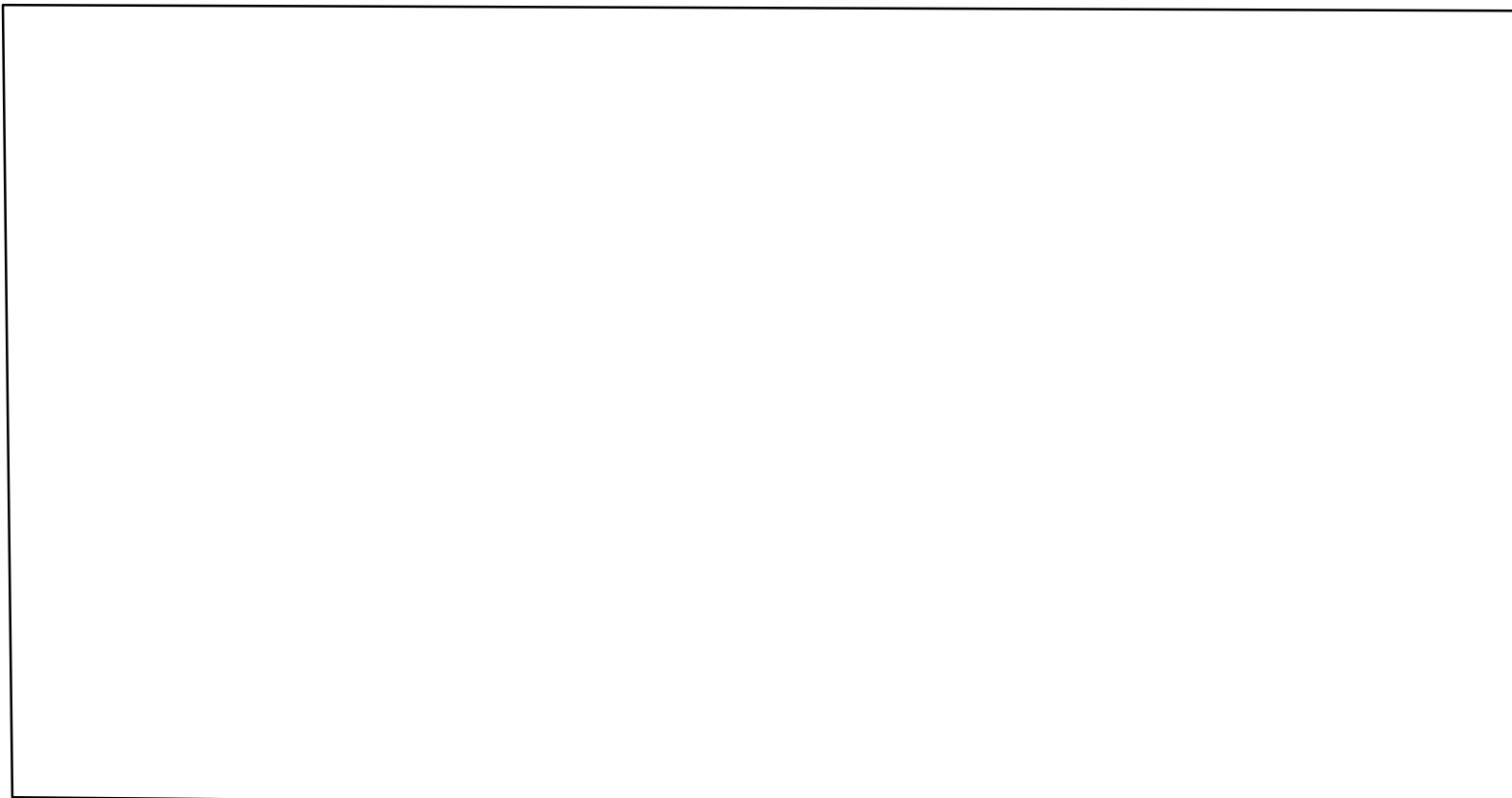


FIG. 1

FIG. 2

FIG. 3 (SLOUGH WALL)

(NO BUILDING PERMIT IS REQUIRED FOR FIG. 1<sup>(1)(2)</sup>) (PERMIT IS REQUIRED FOR FIG. 2 AND FIG. 3)



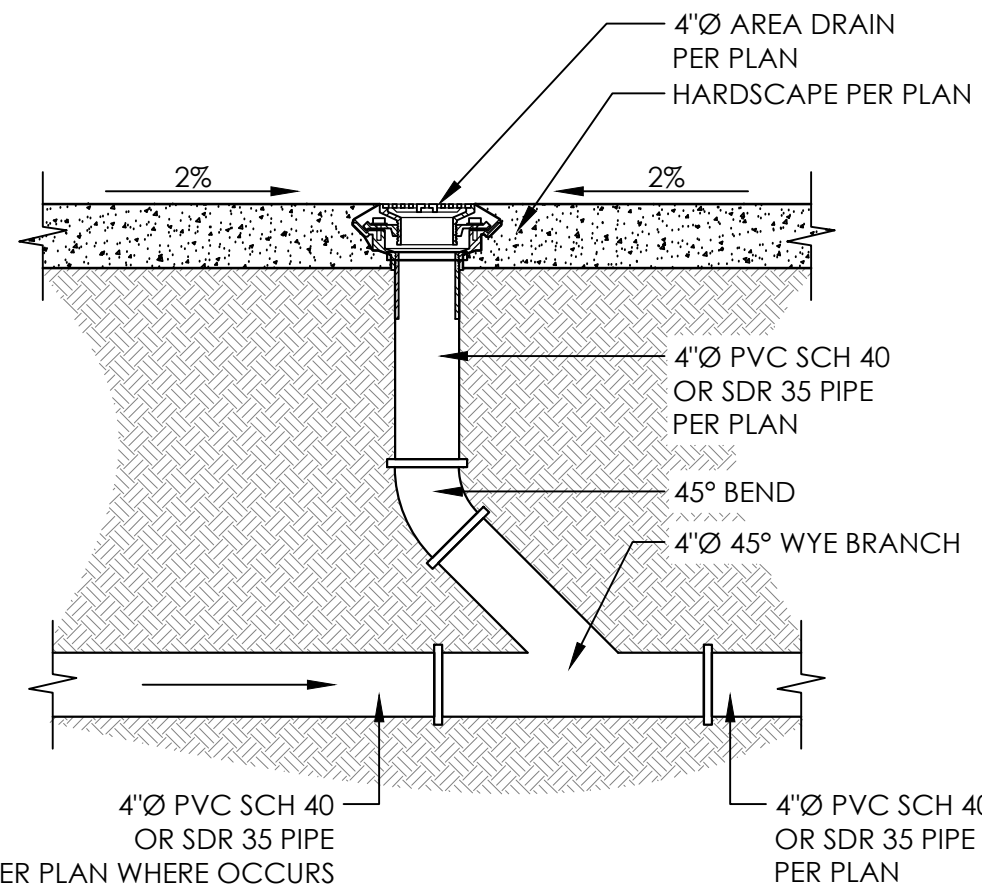
SLOUGH WALL-DETAIL

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DRAIN STENCIL

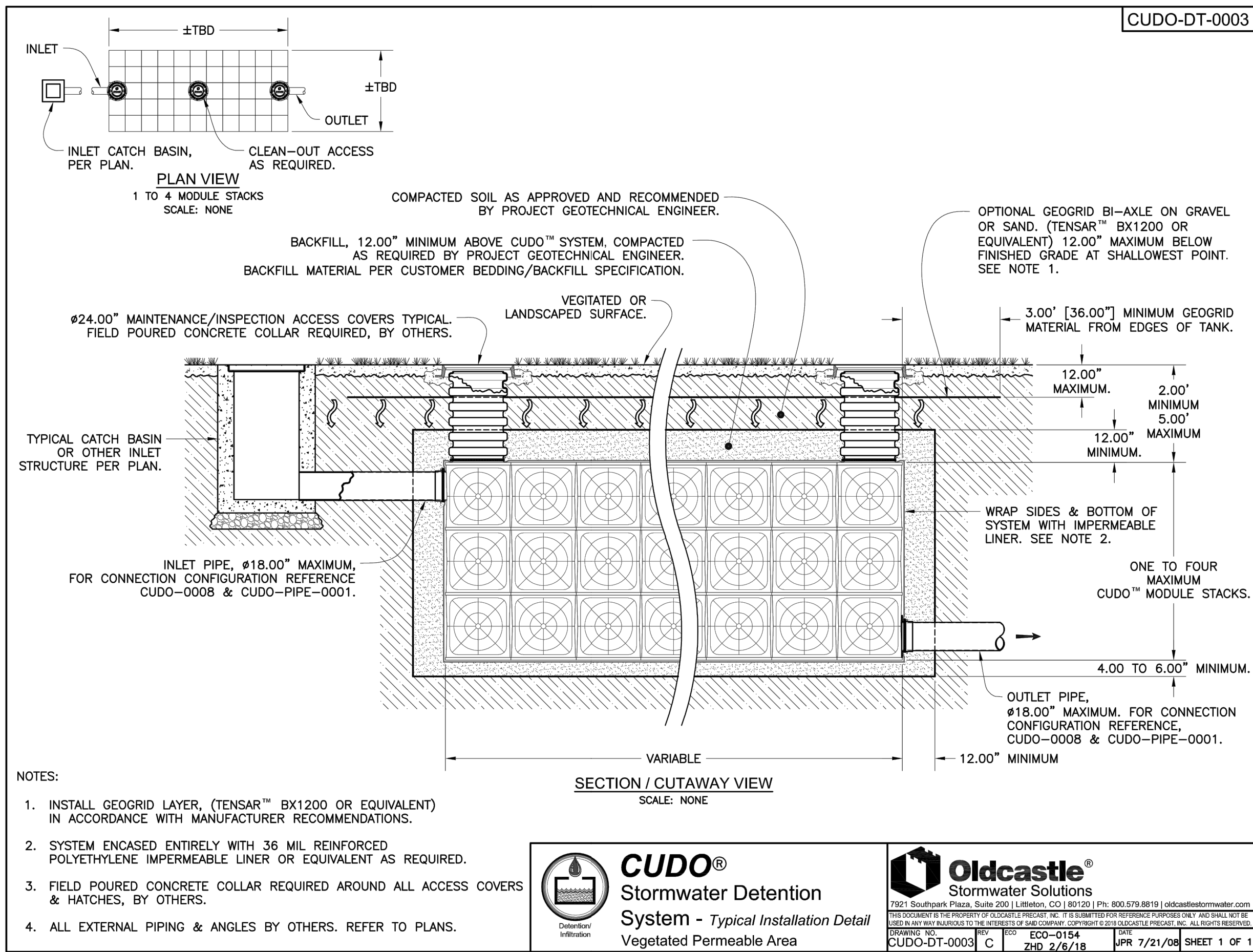
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AREA DRAIN-DETAIL

2

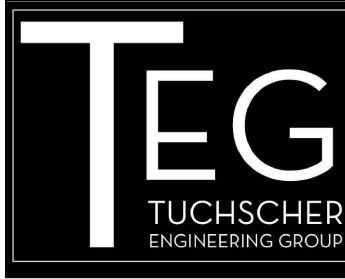
2



OLDCASTLE CUDO STORMWATER DETENTION SYSTEM DETAIL

6

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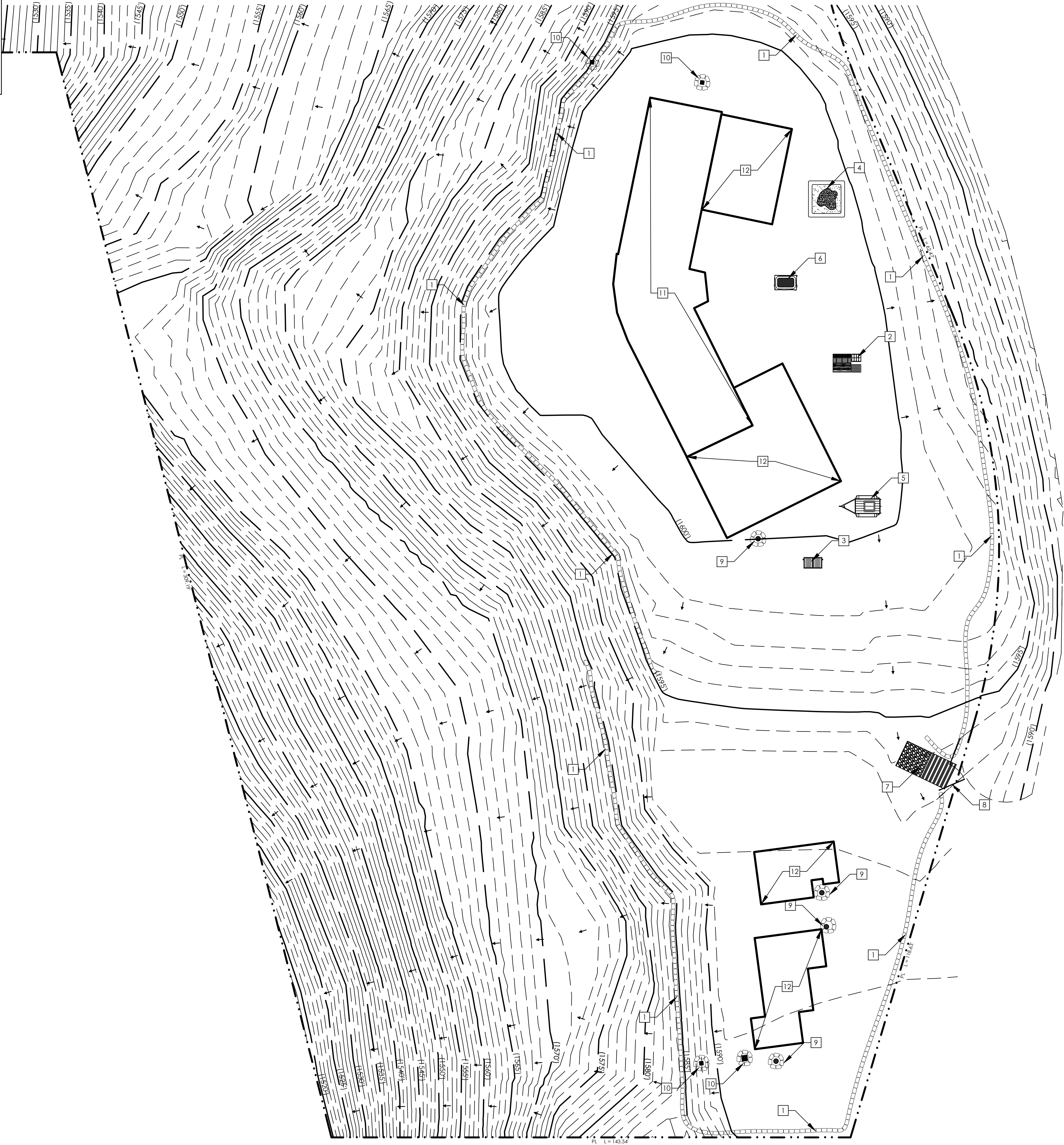


- EROSION CONTROL NOTES
1.

ALL CONSTRUCTION DEBRIS MUST BE CONTAINERIZED AT ALL TIMES.
2.

DUST CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
3.

PLANNING CONSIDERATION: PRESERVATION OF EXISTING VEGETATION MINIMIZES THE POTENTIAL OF REMOVING OR INJURING EXISTING TREES, VINES, SHRUBS, AND/OR GRASSES THAT SERVE AS EROSION CONTROLS.



EROSION CONTROL PLAN LEGEND

SE-8 SANDBAG BARRIER

WM-1 MATERIAL DELIVERY AND STORAGE

WM-5 SOLID WASTE MANAGEMENT

WM-8 CONCRETE WASTE MANAGEMENT

WM-9 SANITARY WASTE MANAGEMENT

SC-11 PAINT AND CHEMICAL STORAGE WITH SPILL CONTROL AND SPILL CLEANUP EQUIPMENT.

TC-1 STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION GATE

CONSTRUCTION NOTES

1

SE-8 SANDBAG

2

WM-1 MATERIAL DELIVERY AND STORAGE

3

WM-5 SOLID WASTE MANAGEMENT

4

WM-8 CONCRETE WASTE MANAGEMENT

5

WM-9 SANITARY WASTE MANAGEMENT

6

SC-11 PAINT AND CHEMICAL STORAGE WITH SPILL CONTROL AND SPILL CLEANUP EQUIPMENT

7

TC-1 STABILIZER PLATE CONSTRUCTION ENTRANCE

8

CONSTRUCTION GATE

9

AREA DRAINS WITH SC-11 INLET PROTECTION

10

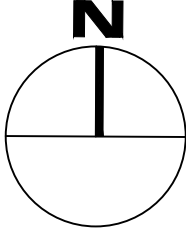
CATCH BASIN WITH SC-11 INLET PROTECTION

11

EXISTING BUILDING OUTLINE

12

PROPOSED ADDITION BUILDING OUTLINE



EROSION CONTROL PLAN

SCALE: 1" = 15' - 0"

PROJECT

HERZIG-GOLD RESIDENCE

3045 TUNA CANYON ROAD

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DRAWING

EROSION CONTROL AND

STORMWATER POLLUTION

PREVENTION PLAN

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PROJECT #:

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DATE:

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SCALE:

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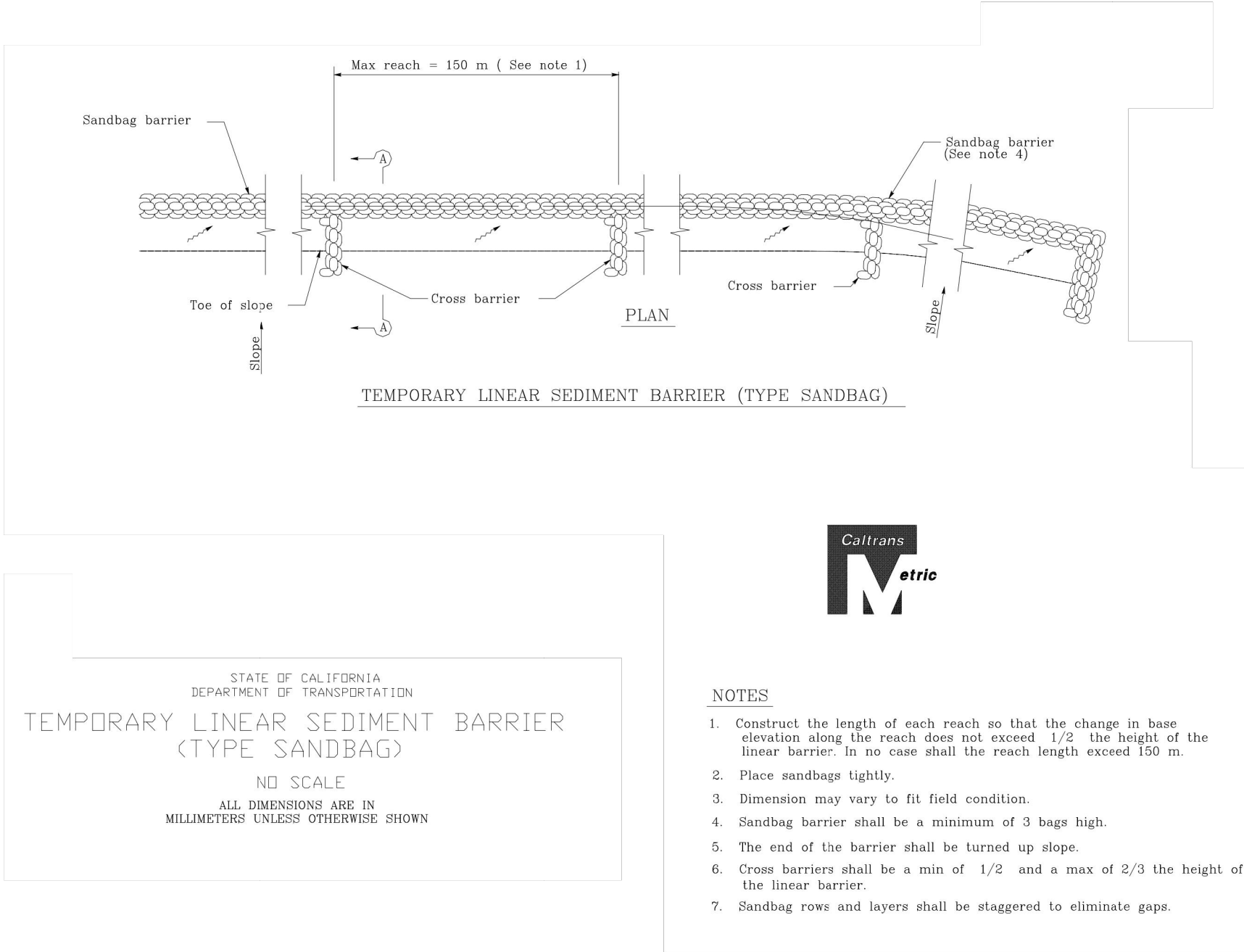
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OF

12

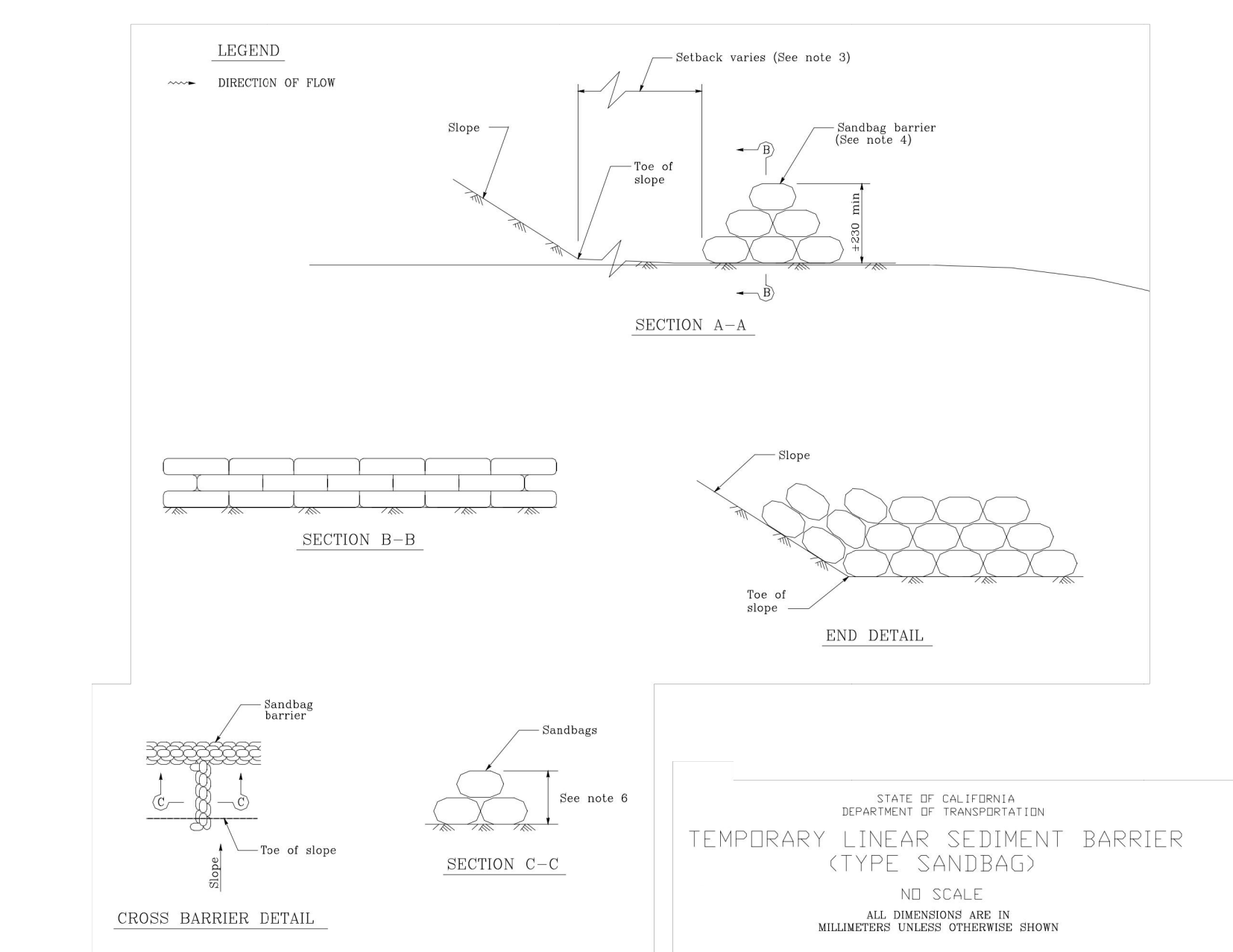
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Sandbag Barrier

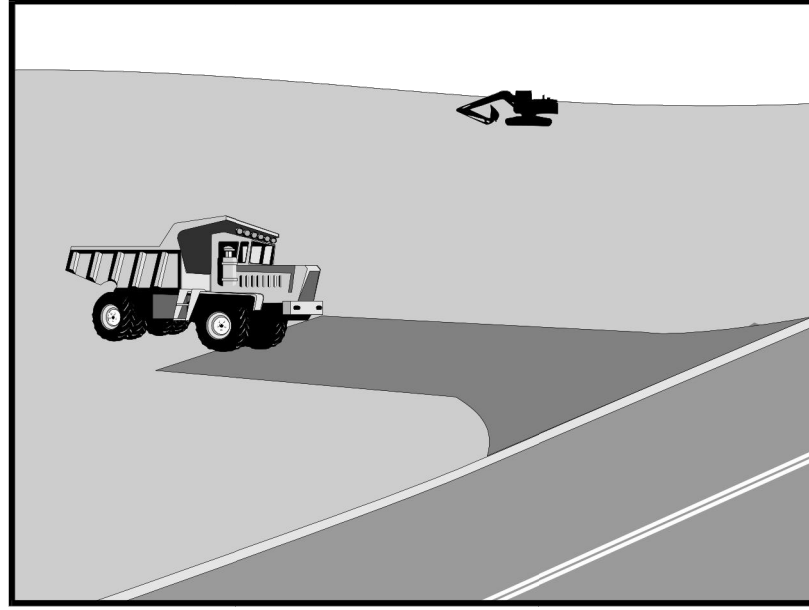
SC-8



Sandbag Barrier

SC-8

## Stabilized Construction Entrance/Exit TC-1



### Categories

EC	Erosion Control	<input checked="" type="checkbox"/>
SE	Sediment Control	<input checked="" type="checkbox"/>
TC	Tracking Control	<input checked="" type="checkbox"/>
WE	Wind Erosion Control	
NS	Non-Stormwater Management Control	
WM	Waste Management and Materials Pollution Control	

### Legend:

- ☒ Primary Objective
- ☒ Secondary Objective

### Targeted Constituents

Sediment	<input checked="" type="checkbox"/>
Nutrients	
Trash	
Metals	
Bacteria	
Oil and Grease	
Organics	

### Potential Alternatives

None

### Description and Purpose

A stabilized construction access is defined by a point of entrance/exit to a construction site that is stabilized to reduce the tracking of mud and dirt onto public roads by construction vehicles.

### Suitable Applications

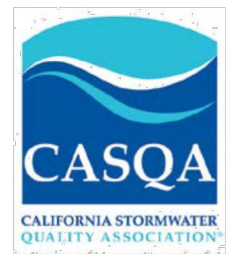
Use at construction sites:

- Where dirt or mud can be tracked onto public roads.
- Adjacent to water bodies.
- Where poor soils are encountered.
- Where dust is a problem during dry weather conditions.

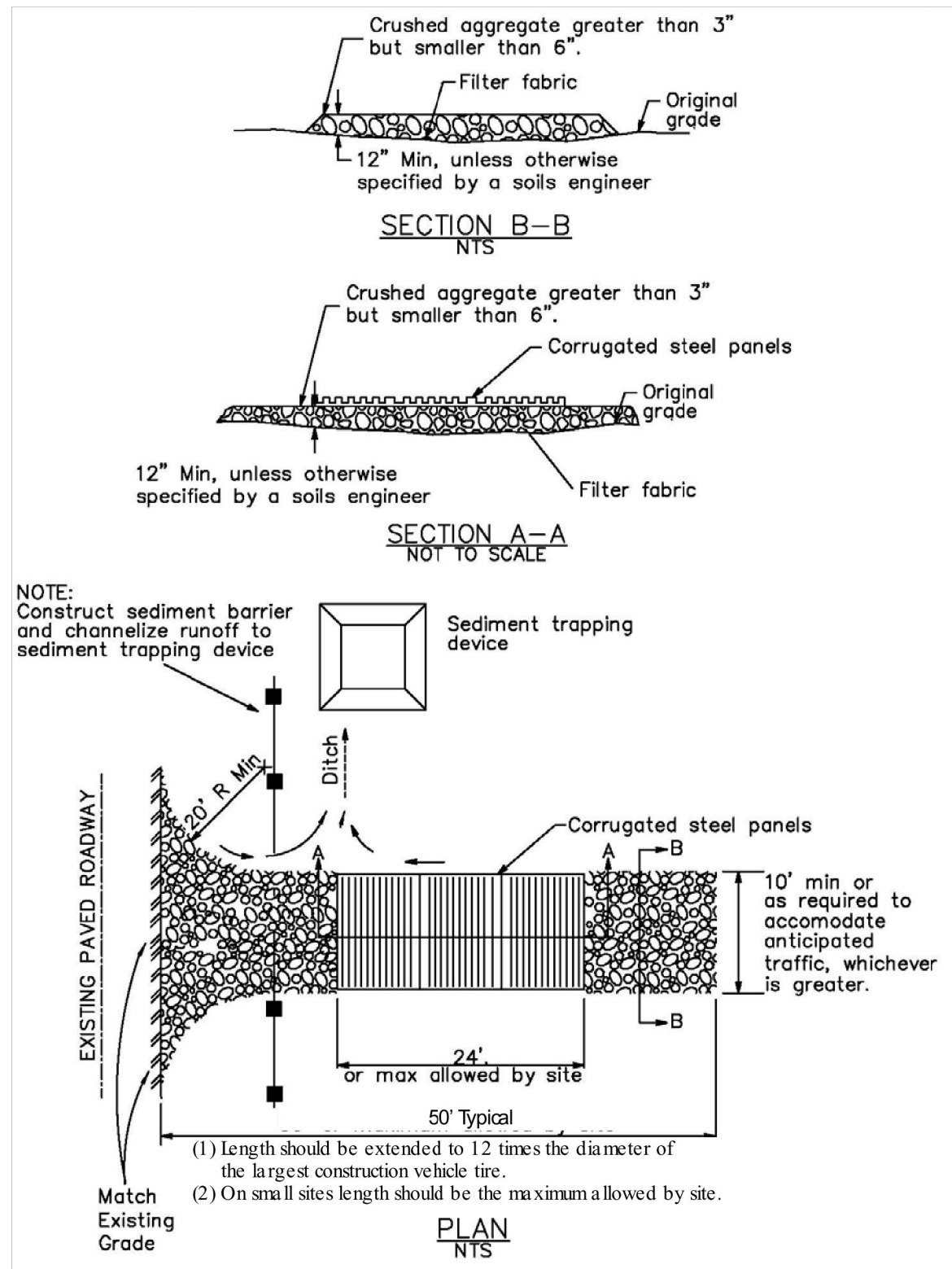
### Limitations

- Entrances and exits require periodic top dressing with additional stones.
- This BMP should be used in conjunction with street sweeping on adjacent public right of way.
- Entrances and exits should be constructed on level ground only.
- Stabilized construction entrances are rather expensive to construct and when a wash rack is included, a sediment trap of some kind must also be provided to collect wash water runoff.

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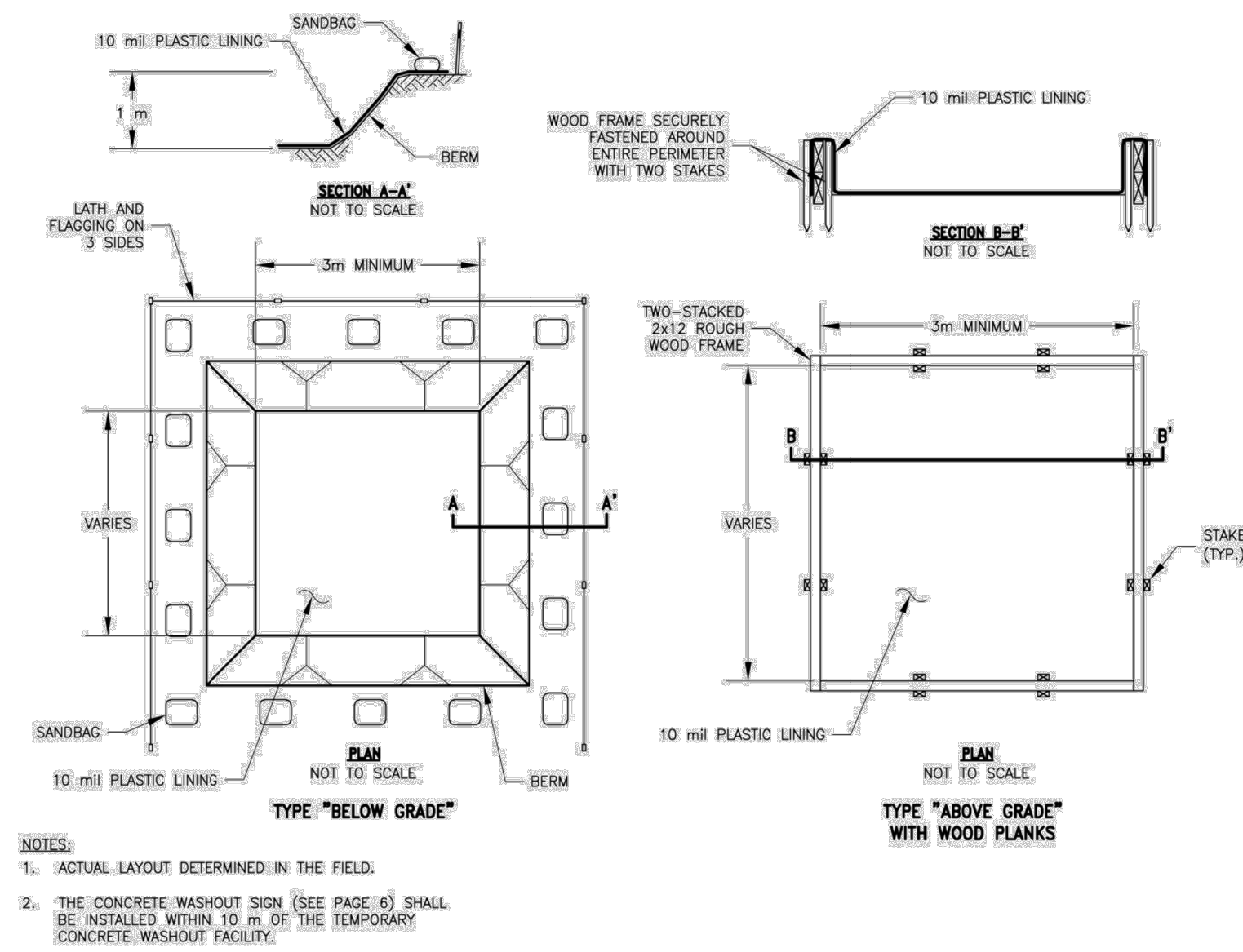


## Stabilized Construction Entrance/Exit TC-1



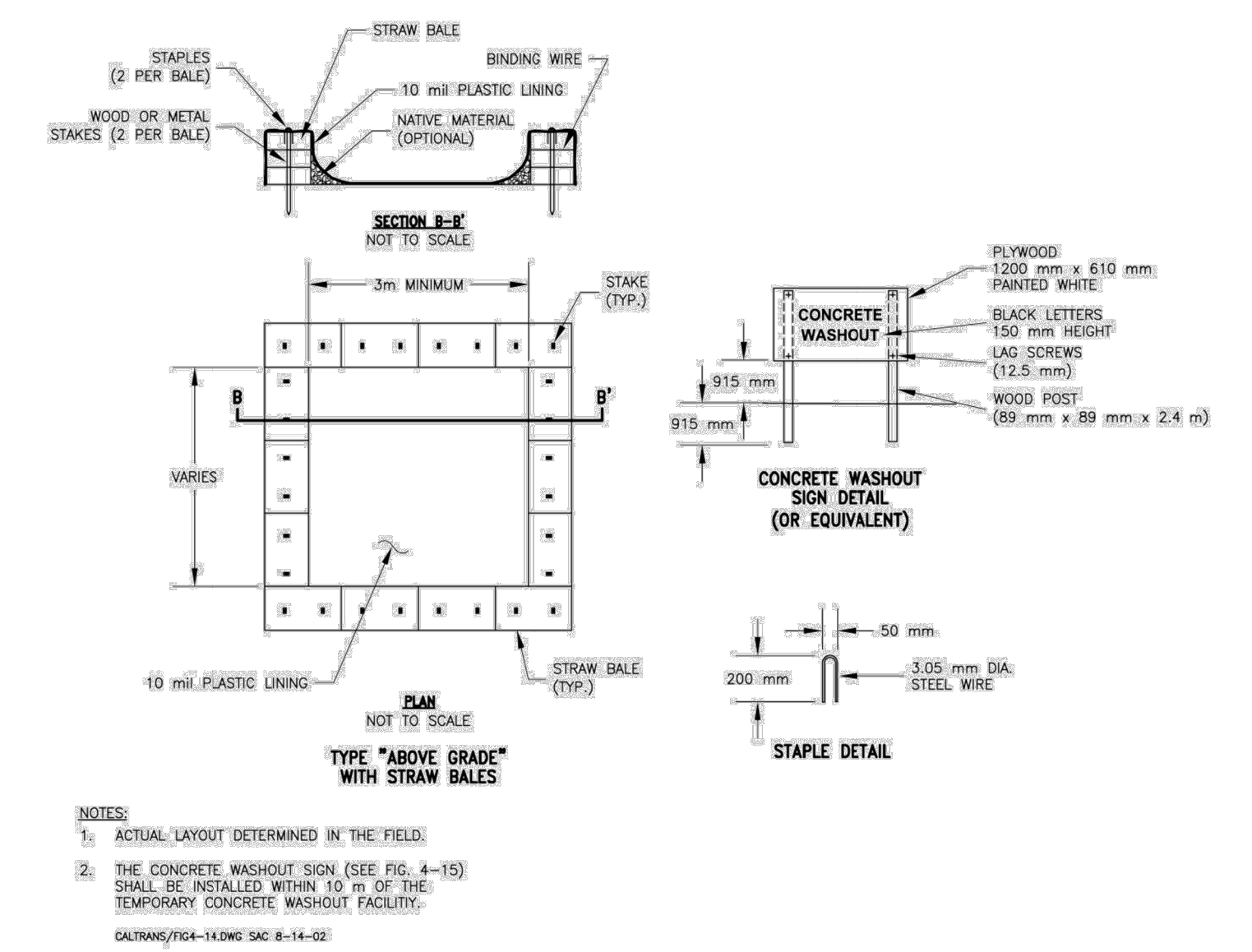
## Concrete Waste Management

WM-8



## Concrete Waste Management

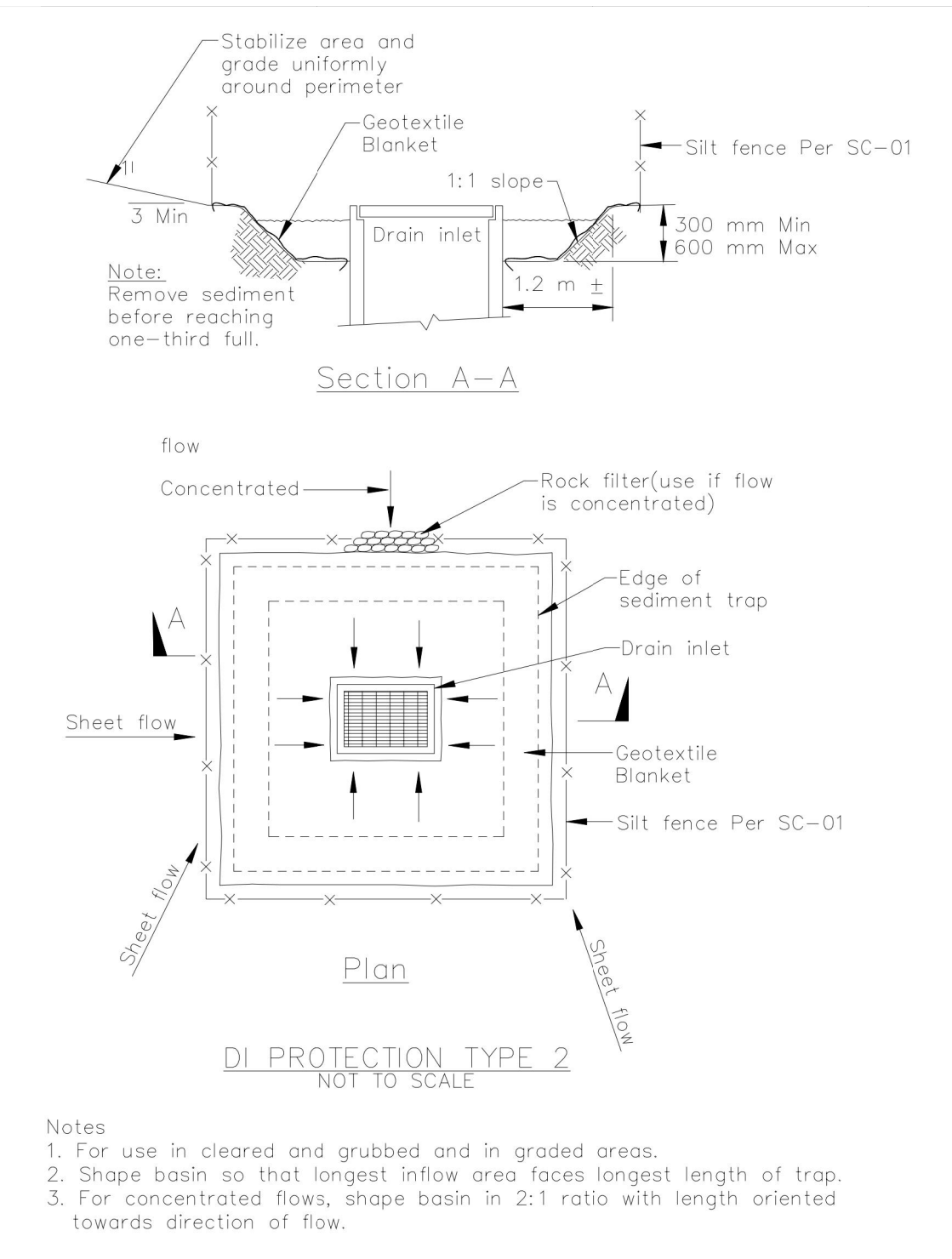
WM-8





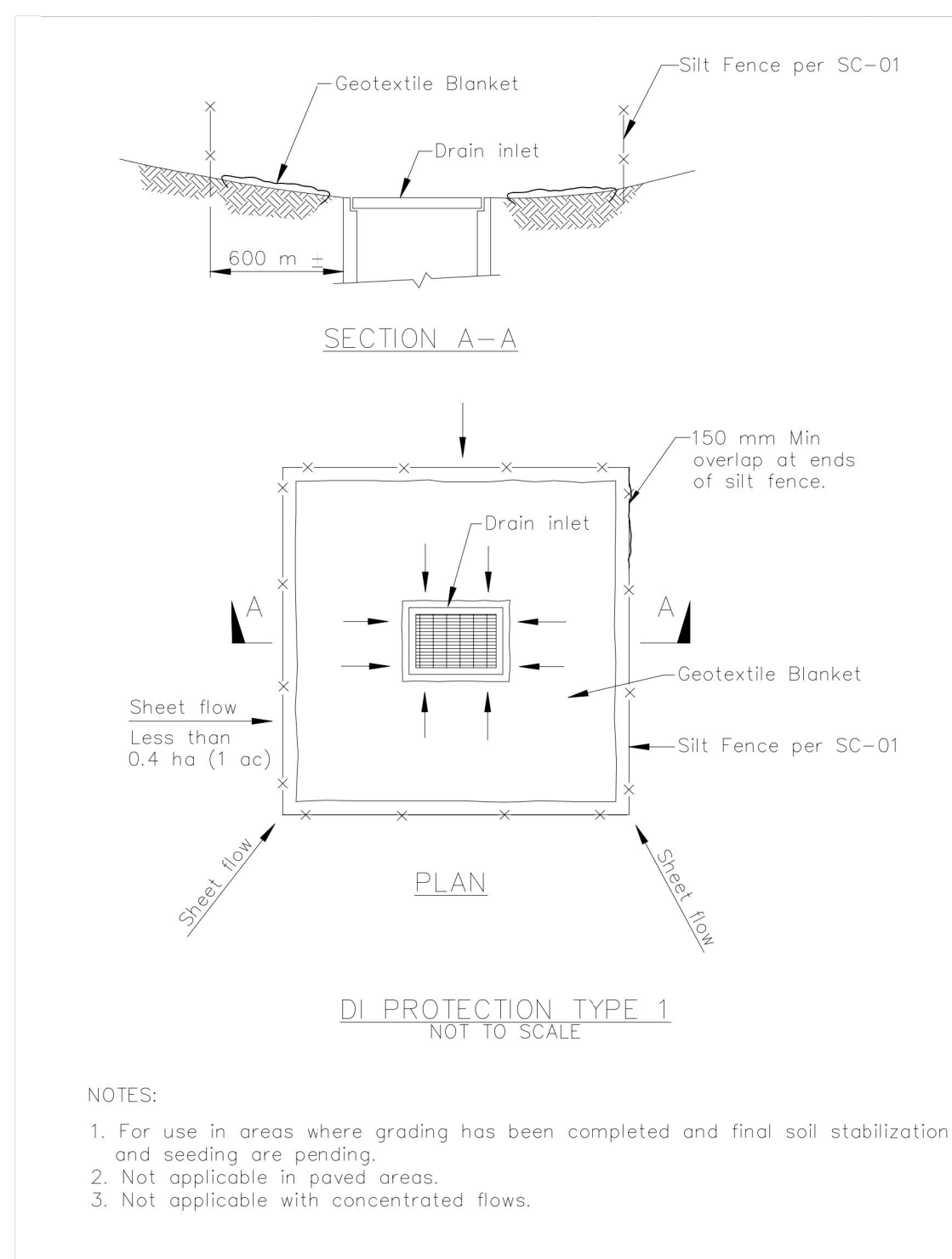
Storm Drain Inlet Protection

SC-10



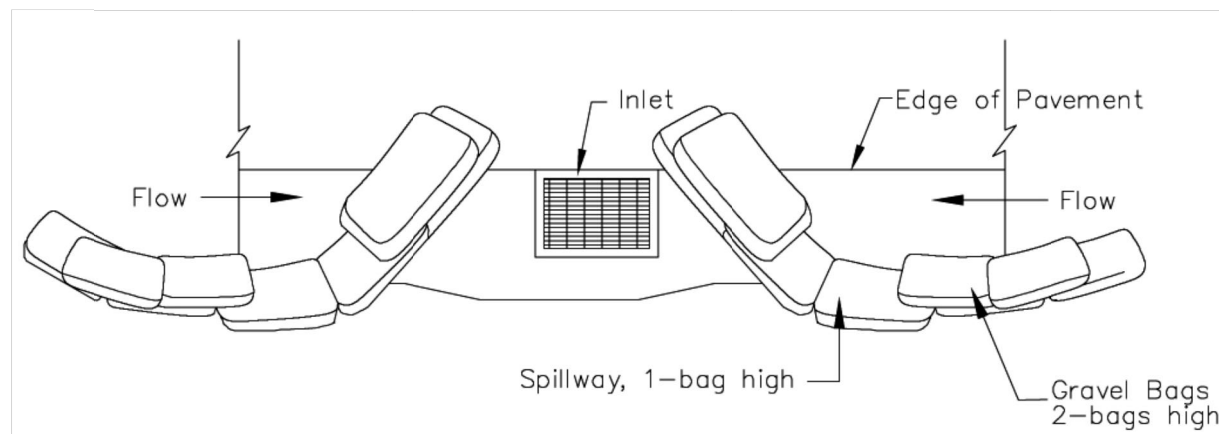
Storm Drain Inlet Protection

SC-10

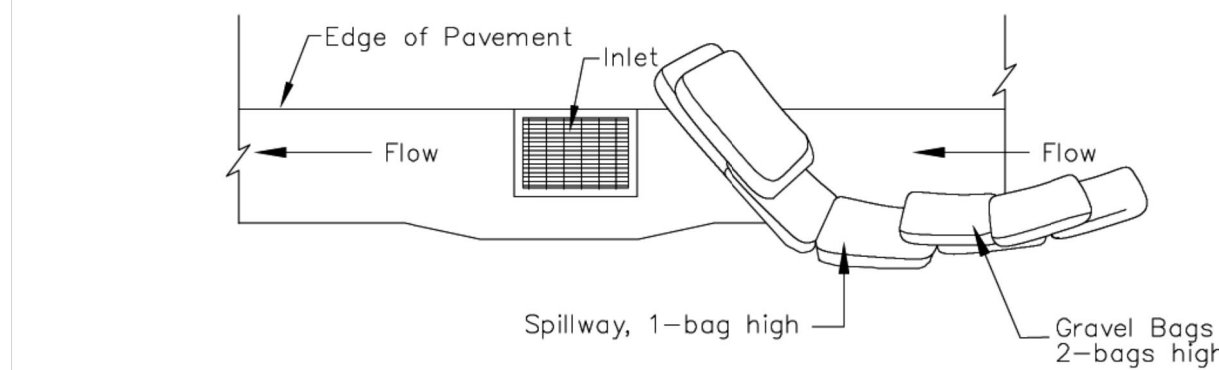


Storm Drain Inlet Protection

SC-10



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS

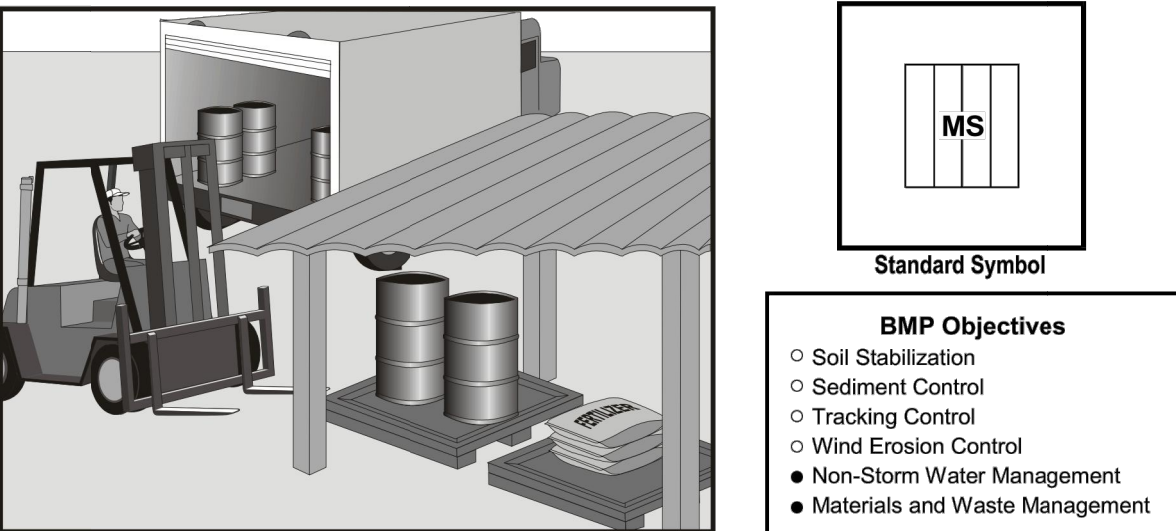


TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION

- NOTES:
1. Intended for short-term use.
  2. Use to inhibit non-storm water flow.
  3. Allow for proper maintenance and cleanup.
  4. Bags must be removed after adjacent operation is completed.
  5. Not applicable in areas with high silts and clays without filter fabric.

Material Delivery and Storage

WM-1



**Definition and Purpose** Procedures and practices for the proper handling and storage of materials in a manner that minimizes or eliminates the discharge of these materials to the storm drain system or to watercourses.

**Appropriate Applications** These procedures are implemented at all construction sites with delivery and storage of the following:

- Hazardous chemicals such as:
  - Acids,
  - lime,
  - glues,
  - adhesives,
  - paints,
  - solvents, and
  - curing compounds.
- Soil stabilizers and binders.
- Fertilizers.
- Detergents.
- Plaster.
- Petroleum products such as fuel, oil, and grease.
- Asphalt and concrete components.
- Pesticides and herbicides.

Material Delivery and Storage

WM-1

- Limitations**
- Other materials that may be detrimental if released to the environment.
  - Space limitation may preclude indoor storage.
  - Storage sheds must meet building & fire code requirements.

- Standards and Specifications**
- General**
- Train employees and subcontractors on the proper material delivery and storage practices.
  - Temporary storage area shall be located away from vehicular traffic.
  - Material Safety Data Sheets (MSDS) shall be supplied to the Resident Engineer (RE) for all materials stored.

**Material Storage Areas and Practices**

- Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be stored in approved containers and drums and shall be placed in temporary containment facilities for storage.
- Throughout the rainy season, each temporary containment facility shall have a permanent cover and side wind protection or be covered during non-working days and prior to and during rain events.
- A temporary containment facility shall provide for a spill containment volume able to contain precipitation from a 24-hour, 25-year storm event, plus the greater of 10% of the aggregate volume of all containers or 100% of the capacity of the largest container within its boundary, whichever is greater.
- A temporary containment facility shall be impervious to the materials stored therein for a minimum contact time of 72 hours.
- A temporary containment facility shall be maintained free of accumulated rainwater and spills. In the event of spills or leaks, accumulated rainwater and spills shall be collected and placed into drums. These liquids shall be handled as a hazardous waste unless testing determines them to be non-hazardous. All collected liquids or non-hazardous liquids shall be sent to an approved disposal site.
- Sufficient separation shall be provided between stored containers to allow for spill cleanup and emergency response access.
- Incompatible materials, such as chlorine and ammonia, shall not be stored in the same temporary containment facility.
- Materials shall be stored in their original containers and the original product labels shall be maintained in place in a legible condition. Damaged or otherwise illegible labels shall be replaced immediately.

Material Delivery and Storage

WM-1

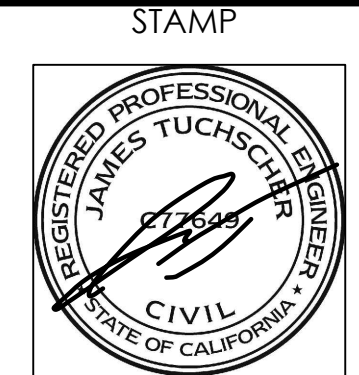
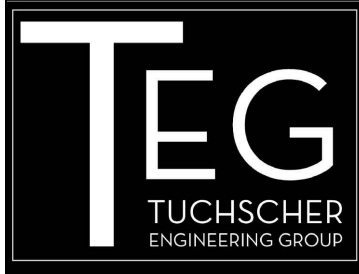
- Bagged and boxed materials shall be stored on pallets and shall not be allowed to accumulate on the ground. To provide protection from wind and rain, throughout the rainy season, bagged and boxed materials shall be covered during non-working days and prior to rain events.
- Stockpiles shall be protected in accordance with BMP WM-3, "Stockpile Management."
- Minimize the material inventory stored on-site (e.g., only a few days supply).
- Have proper storage instructions posted at all times in an open and conspicuous location.
- Do not store hazardous chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet and when possible, under cover in secondary containment.
- Keep hazardous chemicals well labeled and in their original containers.
- Keep ample supply of appropriate spill clean up material near storage areas.
- Also see BMP WM-6, "Hazardous Waste Management", for storing of hazardous materials.

**Material Delivery Practices**

- Keep an accurate, up-to-date inventory of material delivered and stored on-site.
- Employees trained in emergency spill clean-up procedures shall be present when dangerous materials or liquid chemicals are unloaded.

**Spill Clean-up**

- Contain and clean up any spill immediately.
- If significant residual materials remain on the ground after construction is complete, properly remove and dispose any hazardous materials or contaminated soil.
- See BMP WM-4, "Spill Prevention and Control", for spills of chemicals and/or hazardous materials.



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EROSION CONTROL DETAILS

PROJECT  
HERZIG-GOLD RESIDENCE  
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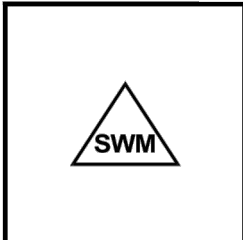
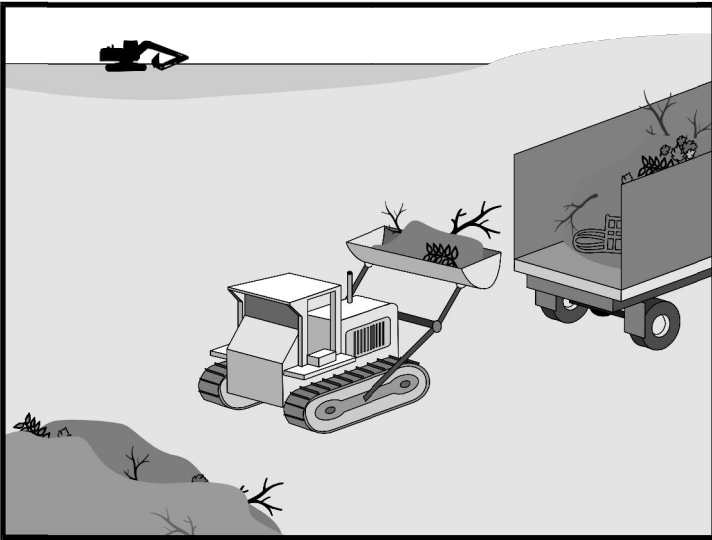
PROJECT #: 7-19-1733  
DATE: 9/22/2020  
SCALE: N/A

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Solid Waste Management

WM-5



- BMP Objectives**
- Soil Stabilization
  - Sediment Control
  - Tracking Control
  - Wind Erosion Control
  - Non-Storm Water Management
  - Materials and Waste Management

**Definition and Purpose** Solid waste management procedures and practices are designed to minimize or eliminate the discharge of pollutants to the drainage system or to watercourses as a result of the creation, stockpiling, or removal of construction site wastes.

**Appropriate Applications** Solid waste management procedures and practices are implemented on all construction projects that generate solid wastes.

Solid wastes include but are not limited to:

- Construction wastes including brick, mortar, timber, steel and metal scraps, sawdust, pipe and electrical cuttings, non-hazardous equipment parts, styrofoam and other materials used to transport and package construction materials.
- Highway planting wastes, including vegetative material, plant containers, and packaging materials.
- Litter, including food containers, beverage cans, coffee cups, paper bags, plastic wrappers, and smoking materials, including litter generated by the public.

- Limitations**
- Temporary stockpiling of certain construction wastes may not necessitate stringent drainage related controls during the non-rainy season or in desert areas with low rainfall.

Solid Waste Management

WM-5

**Standards and Specifications**

- Education**
- The Contractor's Water Pollution Control Manager (WPCM) shall oversee and enforce proper solid waste procedures and practices.

- Instruct employees and subcontractors on identification of solid waste and hazardous waste.
- Educate employees and subcontractors on solid waste storage and disposal procedures.
- Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings).
- Require that employees and subcontractors follow solid waste handling and storage procedures.
- Prohibit littering by employees, subcontractors, and visitors.
- Wherever possible, minimize production of solid waste materials.

**Collection, Storage, and Disposal**

- Dumpsters of sufficient size and number shall be provided to contain the solid waste generated by the project and properly serviced.
- Littering on the project site shall be prohibited.
- To prevent clogging of the storm drainage system litter and debris removal from drainage grates, trash racks, and ditch lines shall be a priority.
- Trash receptacles shall be provided in the Contractor's yard, field trailer areas, and at locations where workers congregate for lunch and break periods.
- Construction debris and litter from work areas within the construction limits of the project site shall be collected and placed in watertight dumpsters at least weekly regardless of whether the litter was generated by the Contractor, the public, or others. Collected litter and debris shall not be placed in or next to drain inlets, storm water drainage systems or watercourses.
- Full dumpsters shall be removed from the project site and the contents shall be disposed of outside the highway right-of-way in conformance with the provisions in the Standard Specifications Section 7-1.13.
- Litter stored in collection areas and containers shall be handled and disposed of by trash hauling contractors.
- Construction debris and waste shall be removed from the site every two weeks or as directed by the RE.

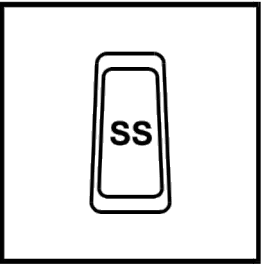
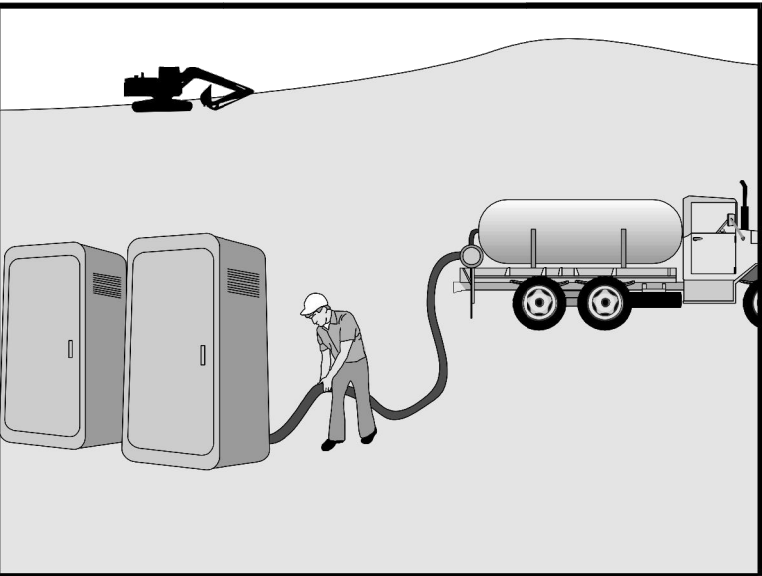
Solid Waste Management

WM-5

- Construction material visible to the public shall be stored or stacked in an orderly manner to the satisfaction of the RE.
- Storm water run-on shall be prevented from contacting stored solid waste through the use of berms, dikes, or other temporary diversion structures or through the use of measures to elevate waste from site surfaces.
- Solid waste storage areas shall be located at least 15 m (50 ft) from drainage facilities and watercourses and shall not be located in areas prone to flooding or ponding.
- Except during fair weather, construction and highway planting waste not stored in watertight dumpsters shall be securely covered from wind and rain by covering the waste with tarps or plastic sheeting or protected in conformance with the applicable Disturbed Soil Area protection section.
- Dumpster washout on the project site is not allowed.
- Notify trash hauling contractors that only watertight dumpsters are acceptable for use on-site.
- Plan for additional containers during the demolition phase of construction.
- Plan for more frequent pickup during the demolition phase of construction.
- Construction waste shall be stored in a designated area approved by the RE.
- Segregate potentially hazardous waste from non-hazardous construction site waste.
- Keep the site clean of litter debris.
- Make sure that toxic liquid wastes (e.g., used oils, solvents, and paints) and chemicals (e.g., acids, pesticides, additives, curing compounds) are not disposed of in dumpsters designated for construction debris.
- Dispose of non-hazardous waste in accordance with Standard Specification 7-1.13, Disposal of Material Outside the Highway Right of Way.
- For disposal of hazardous waste, see BMP WM-6, "Hazardous Waste Management." Have hazardous waste hauled to an appropriate disposal and/or recycling facility.
- Salvage or recycle useful vegetation debris, packaging and/or surplus building materials when practical. For example, trees and shrubs from land clearing can be converted into wood chips, then used as mulch on graded areas. Wood pallets, cardboard boxes, and construction scraps can also be recycled.

Sanitary/Septic Waste Management

WM-9



- BMP Objectives**
- Soil Stabilization
  - Sediment Control
  - Tracking Control
  - Wind Erosion Control
  - Non-Storm Water Management
  - Materials and Waste Management

**Definition and Purpose** Procedures and practices to minimize or eliminate the discharge of construction site sanitary/septic waste materials to the storm drain system or to watercourses.

**Appropriate Applications** Sanitary/septic waste management practices are implemented on all construction sites that use temporary or portable sanitary/septic waste systems.

- Limitations**
- None identified.

**Standards and Specifications**

**Education**

- Educate employees, subcontractors, and suppliers on sanitary/septic waste storage and disposal procedures.
- Educate employees, subcontractors, and suppliers of potential dangers to humans and the environment from sanitary/septic wastes.
- Instruct employees, subcontractors, and suppliers in identification of sanitary/septic waste.
- Hold regular meetings to discuss and reinforce disposal procedures (incorporate into regular safety meetings).
- Establish a continuing education program to indoctrinate new employees.

**Storage and Disposal Procedures**

- Temporary sanitary facilities shall be located away from drainage facilities, watercourses, and from traffic circulation. When subjected to high winds or risk.

Sanitary/Septic Waste Management

WM-9

- Wastewater shall not be discharged or buried within the highway right-of-way.
- Sanitary and septic systems that discharge directly into sanitary sewer systems, where permissible, shall comply with the local health agency, city, county, and sewer district requirements.
- If using an on site disposal system, such as a septic system, comply with local health agency requirements.
- Properly connect temporary sanitary facilities that discharge to the sanitary sewer system to avoid illicit discharges.
- Ensure that sanitary/septic facilities are maintained in good working order by a licensed service.
- Use only reputable, licensed sanitary/septic waste haulers.
- The Contractor's Water Pollution Control Manager (WPCM) shall monitor onsite sanitary/septic waste storage and disposal procedures at least weekly.

**Maintenance and Inspection**

DRAWING  
EROSION CONTROL DETAILS

PROJECT  
HERZIG-GOLD RESIDENCE  
3045 TUNA CANYON ROAD  
TOPANGA CANYON, CA 90290

REVISIONS	BY
△ 9/22/2020	JB
△ 6/18/2021	MT
△	
△	

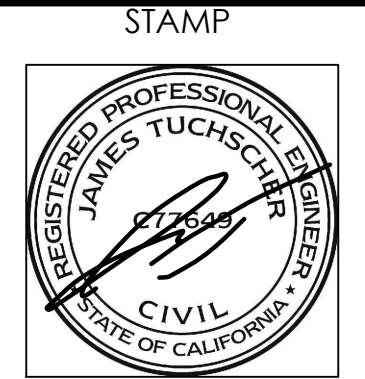
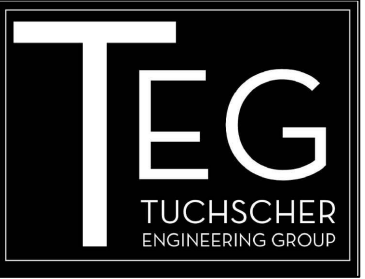
PROJECT #: 7-19-1733

DATE: 9/22/2020

SCALE: N/A

EC-4.0

TUCHSCHER ENGINEERING GROUP, INC.  
115 Pine Ave, Suite 210  
Long Beach, CA 90802  
310.613.9980  
www.TEGLosAngeles.com



STAMP DATE  
6/18/2021

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